

Plate	Well	AmbID	GeneID	F. Luc	R. Luc	Ratio
1	A01		DIAP1	0.446157	0.007226	61.74328813
1	A02		ex/ft	48.62628333	0.036262333	1340.958478
1	A03		Luc	2.315564	0.055149	41.98741591
1	A04		hpo	35.42780667	0.040405	876.8173906
1	A05	31828	CG40406	12.82344667	0.042326667	302.9637738
1	A06	32228	CG13681	10.97286767	0.047599667	230.5240443
1	A07	31836	CG40221	10.569676	0.055869	189.1867762
1	A08	32244	CG13721	11.95143	0.049461667	241.6301513
1	A09	31844	CG40225	13.48906	0.051192	263.4993749
1	A10	32252	CG13738	10.216988	0.051207333	199.5219695
1	A11	31852	CG40112	12.53947667	0.038506333	325.647123
1	A12	32260	CG13766	11.37020767	0.040729	279.1673664
1	A13	31884	CG33172	13.4745	0.043701667	308.3292018
1	A14	32268	CG13786	9.590660333	0.041600667	230.541025
1	A15	31892	CG32971	11.64573767	0.039619	293.9432511
1	A16	32284	CG13829	9.236582667	0.036967	249.8602177
1	A17	31900	CG32670	13.48580667	0.040226667	335.2454425
1	A18	32292	CG14383	12.23639667	0.037149	329.3869732
1	A19	31916	CG40108	13.17111	0.038133333	345.3962413
1	A20	32300	CG14405	12.44975333	0.032967	377.6428954
1	A21	31876	CG40127	11.743277	0.030399667	386.2962423
1	A22	32220	CG13654	12.43315767	0.040857	304.3091188
1	A23	31860	CG40232	14.07116333	0.042397667	331.8853239
1	A24	32276	CG13810	12.82624333	0.039003667	328.8471169
1	B01		DIAP1	0.46668	0.010130333	46.0675858
1	B02		ex/ft	42.58233333	0.047502667	896.4198501
1	B03		Luc	1.859856	0.051530333	36.0924504
1	B04		hpo	35.99187	0.044199	814.3141248
1	B05	31932	CG40115	14.11871333	0.048498333	291.1174954
1	B06	29211	CG30033	11.67382	0.051130667	228.3134714
1	B07	31940	CG40088	12.77059667	0.051722333	246.9068165
1	B08	29213	CG30058	12.89364	0.04754	271.2166597
1	B09	31948	CG40050	11.39925	0.050199333	227.0797089
1	B10	29214	CG30075	13.15804333	0.063443333	207.3983607
1	B11	31956	CG33127	12.00706	0.043355333	276.945397
1	B12	29215	CG30086	14.53528333	0.055775333	260.60415
1	B13	31964	CG32854	15.43981333	0.048848333	316.0765635
1	B14	29216	CG30100	15.96659667	0.048476	329.3711665
1	B15	31996	CG3706	12.54106333	0.046015	272.5429389
1	B16	29208	CG30159	11.35936	0.043648333	260.2472794
1	B17	31924	CG32798	12.64172	0.041555	304.2165804
1	B18	29212	CG30047	11.51537	0.033972667	338.9598501
1	B19	32004	CG32691	13.80417333	0.035862	384.9248043
1	B20	29209	CG2981	11.05641833	0.039342	281.0334587
1	B21	32013	CG32579	14.58135	0.038718	376.6039052
1	B22	29291	CG30158	11.386325	0.033643333	338.4422372
1	B23	31981	CG40336	11.06116333	0.036846	300.1998408
1	B24	28740	CG1511	13.19897	0.037630333	350.7534702
1	C01	31868	CG40311	11.58978567	0.050568667	229.1890696
1	C02	32213	CG13634	10.54876133	0.049365667	213.6861922
1	C03	31908	CG32633	8.983130333	0.054348667	165.2870417
1	C04	32237	CG13704	9.111665667	0.056718667	160.646683
1	C05	31829	CG30503	10.63336867	0.055822	190.4870601

1	C06	32229	CG13687	9.993940667	0.059752333	167.2560737
1	C07	31837	CG32750	8.705334	0.043805667	198.7262074
1	C08	32245	CG13723	9.466584	0.052873667	179.0415645
1	C09	31845	CG32754	10.13468467	0.057637667	175.8344023
1	C10	32253	CG13740	9.702357	0.045762667	212.0146772
1	C11	31853	CG40386	9.276308333	0.049665333	186.7763229
1	C12	32261	CG13771	9.965360333	0.056775667	175.5216789
1	C13	31885	CG40439	10.76262	0.056877333	189.225116
1	C14	32269	CG13787	8.769796	0.048406333	181.1704254
1	C15	31893	CG32814	10.94226467	0.048905	223.7453157
1	C16	32285	CG13835	9.436448667	0.047937	196.8510476
1	C17	31901	CG31929	11.073358	0.050639	218.6725251
1	C18	32293	CG14384	8.320512667	0.046197	180.1093722
1	C19	31917	CG40381	10.97228333	0.048890667	224.4249073
1	C20	32301	CG14416	10.910773	0.044559333	244.8594309
1	C21	31877	CG32656	13.6217	0.042857333	317.8382541
1	C22	32221	CG13659	9.297559333	0.048268333	192.6223404
1	C23	31861	CG40085	10.26129833	0.038229333	268.414263
1	C24	32277	CG13811	9.506306667	0.040716667	233.4745804
1	D01	31989	CG40384	12.42202	0.067168667	184.937719
1	D02	29222	CG12052	13.04801333	0.060994333	213.9217304
1	D03	31972	CG40329	11.88303667	0.046595667	255.0245016
1	D04	29218	CG30121	9.223011333	0.063871667	144.3991024
1	D05	31933	CG40389	9.679296667	0.049487333	195.5913971
1	D06	29223	CG30034	10.50272	0.056675333	185.3137755
1	D07	31941	CG14052	9.720662	0.060633333	160.3187795
1	D08	29225	CG30060	11.85896667	0.054641667	217.0315693
1	D09	31949	CG40167	8.803676	0.056839667	154.88613
1	D10	29226	CG30076	9.631002667	0.060301333	159.714589
1	D11	31957	CG32806	11.17555333	0.057307	195.0120113
1	D12	29227	CG30087	10.23570233	0.041825	244.7268938
1	D13	31965	CG40178	9.979895	0.060334667	165.4089689
1	D14	29228	CG30103	10.213873	0.046998667	217.322612
1	D15	31997	CG32719	9.308543	0.053229333	174.8761898
1	D16	29220	CG30163	10.20808767	0.051635667	197.694507
1	D17	31925	CG40385	9.853772667	0.052002	189.4883402
1	D18	29224	CG30048	10.19160333	0.044000667	231.623839
1	D19	31979	CG40103	9.704865	0.051288667	189.2204581
1	D20	29221	CG2988	8.616699	0.041880333	205.745712
1	D21	32014	CG32695	11.27786667	0.047497	237.4437684
1	D22	28736	CG15065	9.948886333	0.047370667	210.0220882
1	D23	31982	CG40189	9.566998	0.042713333	223.9815358
1	D24	28752	CG15110	11.44817667	0.043023333	266.0922755
1	E01	31875	CG40010	10.80656233	0.063021667	171.473763
1	E02	32214	CG13640	9.90153	0.054214333	182.6367566
1	E03	31915	CG32794	10.51209	0.058727	178.9992678
1	E04	32238	CG13707	8.760987667	0.061969333	141.3761807
1	E05	31830	CG40218	21.65583667	0.096654667	224.0537101
1	E06	32230	CG13689	10.64350167	0.059811333	177.9512523
1	E07	31838	CG40338	10.22977467	0.050776	201.4686991
1	E08	32246	CG13724	12.64960333	0.063437	199.4041858
1	E09	31846	CG33191	9.697032	0.059157667	163.9184327
1	E10	32254	CG13741	9.077585667	0.056323667	161.1682301
1	E11	31854	CG40081	8.028287333	0.045464333	176.5842968

1	E12	32262	CG13773	5.730925	0.051426333	111.4395025
1	E13	31886	CG40134	9.493523	0.056778667	167.2022884
1	E14	32270	CG13788	8.259020667	0.053242	155.1222844
1	E15	31894	CG40138	10.129181	0.043251	234.1953018
1	E16	32286	CG13836	10.98416533	0.049096667	223.7252767
1	E17	31902	CG40374	11.02665667	0.056132667	196.4392095
1	E18	32294	CG14390	8.333024	0.051593	161.5146241
1	E19	31918	CG32637	10.712499	0.053091333	201.7749099
1	E20	32302	CG14417	10.502599	0.044992667	233.4291292
1	E21	31878	CG33093	9.698352333	0.055249667	175.5368479
1	E22	32222	CG13663	11.00985267	0.050097	219.7706982
1	E23	31862	CG32720	8.235279333	0.046983667	175.279622
1	E24	32278	CG13814	9.949505667	0.042146667	236.0686254
1	F01	31990	CG3206	10.138595	0.071565333	141.6690809
1	F02	29234	CG30018	8.889339333	0.060661	146.5412593
1	F03	31973	CG40181	9.570893	0.056522333	169.3294037
1	F04	29255	CG30154	8.863127333	0.061576	143.938017
1	F05	31934	CG32603	3.882450333	0.056630667	68.55738351
1	F06	29235	CG30036	9.851427333	0.058912667	167.2208693
1	F07	31942	CG31266	8.900820333	0.054419667	163.5588911
1	F08	29237	CG30062	9.710811	0.063272	153.4772253
1	F09	31950	CG33007	7.464238333	0.051199333	145.7878032
1	F10	29238	CG30079	9.619870333	0.051323333	187.436585
1	F11	31958	CG14631	9.946577667	0.056476333	176.1193951
1	F12	29239	CG30088	7.565650333	0.047225667	160.2020864
1	F13	31966	CG40294	9.408872333	0.054655333	172.1492078
1	F14	29240	CG30105	8.240326	0.052123667	158.0918329
1	F15	31998	CG40042	8.600849	0.060409333	142.3761615
1	F16	29232	CG30164	10.407563	0.051975667	200.239144
1	F17	31926	CG40228	11.69779333	0.057227333	204.4091984
1	F18	29277	CG2960	1.024516667	0.039105	26.19912202
1	F19	32006	CG14096	9.756578333	0.041592667	234.5744843
1	F20	29207	CG30143	9.314661	0.046345667	200.98235
1	F21	31987	CG40415	9.416050333	0.050978333	184.7069082
1	F22	28748	CG33147	9.370849667	0.048803333	192.0124923
1	F23	31983	CG12563	10.71601133	0.045410333	235.9817809
1	F24	28764	CG15121	9.246075667	0.036568	252.8460858
1	G01	31870	CG4381	13.79141333	0.053892	255.9083599
1	G02	32215	CG13643	12.15495333	0.063422333	191.6509957
1	G03	31910	CG40337	13.05134667	0.05568	234.3991858
1	G04	32239	CG13711	13.72192	0.062467333	219.6655319
1	G05	31831	CG40334	13.56753333	0.054481667	249.0293371
1	G06	32231	CG13692	12.41807	0.049900333	248.8574559
1	G07	31839	CG14302	12.09385467	0.04893	247.1664555
1	G08	32247	CG13725	13.82106667	0.054129	255.3357104
1	G09	31847	CG17018	12.67136333	0.051809667	244.5752723
1	G10	32255	CG13742	12.05778333	0.0545	221.2437309
1	G11	31855	CG40198	12.89806	0.044472333	290.0243597
1	G12	32263	CG13775	13.20032333	0.044276667	298.132726
1	G13	31887	CG40367	13.40079667	0.046005667	291.2857836
1	G14	32271	CG13789	17.38356333	0.063237	274.8954462
1	G15	31895	CG32667	12.06765	0.039210333	307.7670852
1	G16	32287	CG13838	11.68377667	0.041211667	283.5065313
1	G17	31903	CG31477	15.09010667	0.044843	336.5097488

1	G18	32295	CG14391	13.93314	0.042448	328.2401998
1	G19	31919	CG32712	15.02405333	0.041530333	361.7609619
1	G20	32303	CG14422	14.01766667	0.046123	303.9192305
1	G21	31879	CG3191	12.91859333	0.033988333	380.0890502
1	G22	32223	CG13664	13.70388433	0.038131333	359.3864451
1	G23	31863	CG40044	14.68238333	0.037823333	388.1832202
1	G24	32283	CG13828	13.46758333	0.039182667	343.7127812
1	H01	31991	CG40196	14.05716	0.054248333	259.1261175
1	H02	29246	CG30022	11.04080733	0.050793	217.3686794
1	H03	31974	CG40445	12.12460133	0.064484	188.0249571
1	H04	29242	CG30125	10.121902	0.049813333	203.1966408
1	H05	31935	CG33198	9.129689	0.036969667	246.9508065
1	H06	29247	CG30037	10.364233	0.046243	224.125446
1	H07	31943	CG40396	11.88478667	0.048545333	244.8183142
1	H08	29249	CG33156	9.349512333	0.049152333	190.2150254
1	H09	31951	CG32802	12.08887667	0.046336333	260.8941148
1	H10	29250	CG30080	11.65076	0.054832667	212.4784496
1	H11	31959	CG32775	13.30973333	0.049304333	269.9505791
1	H12	29251	CG30093	11.70329	0.048795333	239.8444523
1	H13	31967	CG40137	12.68070333	0.052473	241.6614894
1	H14	29252	CG30108	10.17270233	0.040512333	251.1013683
1	H15	31999	CG32571	13.24723333	0.053187	249.0690081
1	H16	29244	CG30165	13.15182	0.042199667	311.6569641
1	H17	31927	CG40080	10.29517033	0.045969	223.9589796
1	H18	29248	CG30050	13.75906	0.041392667	332.4033243
1	H19	32007	CG32650	13.13208667	0.042600667	308.2601211
1	H20	29245	CG30001	16.63653	0.040827333	407.4850999
1	H21	32016	CG40399	13.27836333	0.036375333	365.0375712
1	H22	28760	CG15080	13.53156	0.039683667	340.985628
1	H23	29205	CG2859	8.950750667	0.037451333	238.9968492
1	H24	28776	CG15124	12.22475667	0.050472667	242.2054842
1	I01	31871	CG40123	13.74736667	0.061136667	224.8628755
1	I02	32216	CG13650	10.50416833	0.048907333	214.7769591
1	I03	31911	CG12102	14.53129333	0.082972667	175.1334978
1	I04	32240	CG13712	13.33992	0.055823667	238.9653134
1	I05	31832	CG18817	14.57864667	0.057264	254.5865931
1	I06	32232	CG13693	11.89480333	0.053698333	221.5115925
1	I07	31840	CG40413	13.16453	0.059327333	221.8965401
1	I08	32248	CG13726	9.175511333	0.048542	189.0221114
1	I09	31848	CG32987	13.52452667	0.053450333	253.0297909
1	I10	32256	CG13743	10.945194	0.053933333	202.9393201
1	I11	31856	CG40157	10.50948033	0.043492	241.6416889
1	I12	32264	CG13776	12.85040667	0.047218667	272.1467499
1	I13	31888	CG32591	11.21236667	0.054301333	206.484187
1	I14	32272	CG13790	12.31116	0.04999	246.2724545
1	I15	31896	CG40370	12.16237667	0.044093333	275.8325522
1	I16	32288	CG13858	12.61405667	0.047958667	263.0193361
1	I17	31904	CG31056	12.98275667	0.042179333	307.7990011
1	I18	32296	CG14394	11.338513	0.045980667	246.5930536
1	I19	31920	CG18139	11.155056	0.041985667	265.6872425
1	I20	32304	CG14424	10.23156333	0.039066333	261.90232
1	I21	31880	CG3034	8.927562667	0.033183	269.0402515
1	I22	32224	CG13671	12.23026667	0.050375667	242.781237
1	I23	31864	CG40160	13.85873333	0.041356667	335.1027646

1	I24	32280	CG13825	12.61931	0.040967333	308.0334738
1	J01	31992	CG40155	13.12543333	0.067285	195.0722053
1	J02	29258	CG30026	9.904062	0.050942333	194.4171252
1	J03	31975	CG40298	11.53196667	0.052007667	221.7358979
1	J04	29254	CG30127	13.18864667	0.055196333	238.9406301
1	J05	31936	CG32836	13.37008667	0.061339333	217.9692204
1	J06	29259	CG30039	11.60403467	0.057258333	202.6610624
1	J07	31944	CG32651	11.730538	0.054887667	213.719014
1	J08	29261	CG30065	10.50226167	0.05626	186.6736876
1	J09	31952	CG32655	12.5854	0.056863667	221.3258613
1	J10	29262	CG30081	10.17695033	0.054712333	186.0083406
1	J11	31960	CG32734	11.82269333	0.04791	246.7688026
1	J12	29263	CG30094	12.66072	0.051458333	246.0382834
1	J13	31968	CG40400	12.04326667	0.050985667	236.2088692
1	J14	29264	CG30109	11.50815667	0.044250333	260.069378
1	J15	32000	CG32835	11.592061	0.043827667	264.4918583
1	J16	29256	CG30166	12.11960333	0.041577667	291.4931093
1	J17	31928	CG40303	11.11753067	0.045034333	246.867886
1	J18	29260	CG30051	13.52353	0.049242333	274.6321932
1	J19	32008	CG14476	9.888057667	0.041299667	239.4222149
1	J20	29257	CG30004	11.38087667	0.039948333	284.8898995
1	J21	32017	CG40241	12.6498	0.038849	325.6145589
1	J22	28772	CG15085	19.37247	0.036000333	538.1191841
1	J23	29217	CG2862	11.88848433	0.036917	322.0327853
1	J24	28788	CG15126	12.65399667	0.035720667	354.2486142
1	K02	32217	CG13651	17.26008	0.052817333	326.7881756
1	K03	31912	CG40265	14.56641	0.058378333	249.5174009
1	K04	32241	CG13715	15.26228333	0.055475333	275.1183709
1	K05	31833	CG32822	13.15063667	0.057108333	230.2752663
1	K06	32233	CG13694	13.22265333	0.063724	207.4987969
1	K07	31841	CG32679	13.57783333	0.058305333	232.874637
1	K08	32249	CG13727	12.03443	0.053941333	223.1021974
1	K09	31849	CG40300	12.65421333	0.053190333	237.9043811
1	K1	31872	CG40397	11.27004467	0.047236	238.5901572
1	K10	32257	CG13746	21.09602667	0.061413667	343.507037
1	K11	31857	CG40420	14.07511667	0.055568	253.2953618
1	K12	32265	CG13780	2.780476	0.047514667	58.51826804
1	K13	31889	CG32855	14.28643	0.057910667	246.6977298
1	K14	32273	CG13791	11.45739133	0.051578333	222.1357418
1	K15	31897	CG40213	14.11853667	0.047148	299.4514437
1	K16	32289	CG14376	13.67904	0.049412333	276.8345285
1	K17	31905	CG32821	13.56200333	0.047104333	287.9141339
1	K18	32297	CG14400	15.30846	0.048417667	316.1750876
1	K19	31921	CG40416	14.34379	0.043146667	332.4425989
1	K20	32305	CG14431	12.5565	0.046368667	270.79709
1	K21	31881	CG40130	12.08992333	0.039223333	308.2329396
1	K22	32225	CG13672	14.21467667	0.045607333	311.6752423
1	K23	31865	CG9669	9.367587	0.044789667	209.1461647
1	K24	32281	CG13826	11.03581667	0.045261	243.8261785
1	L01	31993	CG9126	12.969073	0.040749333	318.2646669
1	L02	29270	CG30027	15.23779667	0.060890333	250.2498481
1	L03	31985	CG32985	14.90624667	0.065179	228.6970752
1	L04	29266	CG30130	11.35029333	0.064376333	176.3115845
1	L05	31937	CG40002	12.00844667	0.053377667	224.9713676

1	L06	29271	CG33012	12.42789667	0.055153	225.3349168
1	L07	31945	CG40239	13.09400667	0.050396667	259.8189034
1	L08	29273	CG30071	11.67677633	0.052446	222.6437923
1	L09	31953	CG32614	11.043139	0.053063333	208.1124254
1	L10	29274	CG30082	11.92336333	0.046506333	256.3814964
1	L11	31961	CG40290	15.10342667	0.040671667	371.3500799
1	L12	29275	CG30095	14.01377333	0.052482667	267.0171739
1	L13	31969	CG32625	11.0811	0.047715667	232.2319015
1	L14	29276	CG30110	14.64226667	0.045103	324.6406374
1	L15	32001	CG40159	11.30872667	0.054547333	207.3195146
1	L16	29268	CG30172	13.03876333	0.045101333	289.0992875
1	L17	31929	CG1545	13.26486333	0.047574	278.8258993
1	L18	29272	CG30054	12.54475667	0.042189	297.3466227
1	L19	32009	CG40090	14.08232333	0.042048	334.9106577
1	L20	29243	CG30153	12.95429333	0.041586333	311.503619
1	L21	32018	CG40053	12.70177	0.040481	313.7711519
1	L22	28784	CG15094	15.72727	0.042106	373.516126
1	L23	29229	CG40147	12.09605167	0.038549333	313.7810857
1	L24	28808	CG15107	13.16437333	0.042372333	310.6832288
1	M01	31873	CG40092	14.26947667	0.062270333	229.1536901
1	M02	32218	CG13652	11.97918333	0.054245667	220.8320788
1	M03	31913	CG31936	12.62754667	0.055504	227.5069665
1	M04	32242	CG13716	10.628732	0.048563	218.8648148
1	M05	31834	CG40262	12.55558067	0.056481	222.2974216
1	M06	32234	CG13699	11.54224	0.060035	192.2585159
1	M07	31842	CG40109	13.89603	0.051215	271.3273455
1	M08	32250	CG13733	13.45176333	0.050679333	265.4289717
1	M09	31850	CG40153	13.21353	0.049505667	266.9094447
1	M10	32258	CG13747	11.131008	0.043629667	255.1247546
1	M11	31858	CG32686	12.75510333	0.047394667	269.1252884
1	M12	32266	CG13783	12.52836667	0.05226	239.7314709
1	M13	31890	CG40442	13.61603	0.043598333	312.3062044
1	M14	32274	CG13792	12.01187333	0.048476333	247.7884053
1	M15	31898	CG32595	10.15320333	0.046915333	216.4154576
1	M16	32290	CG14379	11.75736667	0.045339	259.3212613
1	M17	31906	CG40409	13.34308667	0.043311333	308.0737913
1	M18	32298	CG14401	12.01080867	0.040112333	299.4293193
1	M19	31922	CG32681	14.05848667	0.037538667	374.5068196
1	M20	32306	CG14445	11.92864	0.042407333	281.2871988
1	M21	31882	CG3226	17.60707	0.043246	407.1375387
1	M22	32227	CG13680	15.02465	0.039370667	381.6204111
1	M23	32212	CG13632	14.50144	0.043966333	329.8305522
1	M24	32282	CG13827	15.12102333	0.043085	350.9579513
1	N01	31994	CG32643	15.12506667	0.064992	232.721976
1	N02	29282	CG30030	10.014266	0.051122	195.8895583
1	N03	31977	CG32937	13.20457	0.074430333	177.4084491
1	N04	29253	CG2905	9.017527667	0.079633	113.2385778
1	N05	31938	CG40392	13.93096333	0.056978	244.4972329
1	N06	29283	CG30042	10.71910167	0.044451333	241.1424104
1	N07	31946	CG40091	14.25557667	0.051776	275.3317496
1	N08	29285	CG30072	11.29979333	0.051232	220.5612378
1	N09	31954	CG33051	6.272665333	0.065222333	96.17358062
1	N10	29286	CG30083	11.18436533	0.049735667	224.8761519
1	N11	31962	CG40133	10.389644	0.053690333	193.510514

1	N12	29287	CG30096	14.93523333	0.0493	302.9459094
1	N13	31970	CG40212	16.60119	0.051366333	323.1920389
1	N14	29288	CG30111	12.67305333	0.046273333	273.8737934
1	N15	32002	CG40275	11.53680667	0.041285	279.4430584
1	N16	29280	CG30173	10.33492467	0.047717	216.5878967
1	N17	31930	CG32569	13.80755333	0.051071333	270.3581918
1	N18	29279	CG30157	13.64417333	0.041898	325.6521393
1	N19	32010	CG32462	13.54349	0.042860667	315.9887854
1	N20	29281	CG30010	10.819515	0.04159	260.1470305
1	N21	32019	CG32582	14.12812333	0.040054333	352.7239666
1	N22	28796	CG15100	11.00468667	0.041195667	267.1321417
1	N23	29241	CG2903	13.57117333	0.044497333	304.9884637
1	N24	28820	CG15109	12.78128	0.039545	323.2084966
1	O01	31874	CG32580	11.47538167	0.049387667	232.3531853
1	O02	32219	CG13653	9.881624333	0.064223	153.8642594
1	O03	31914	CG33105	10.50046933	0.057535667	182.5036528
1	O04	32243	CG13719	10.39050767	0.049191	211.2278195
1	O05	31835	CG32634	12.43851667	0.055427	224.4125907
1	O06	32235	CG13700	12.31181667	0.060588667	203.2032943
1	O07	31843	CG40382	12.23422333	0.060063667	203.6875871
1	O08	32251	CG13737	9.357310333	0.052904333	176.8722852
1	O09	31851	CG11639	13.23417	0.057509	230.1234589
1	O10	32259	CG13751	11.21653567	0.055313	202.7829925
1	O11	31859	CG40116	10.35272133	0.052640667	196.6677474
1	O12	32267	CG13784	10.96083667	0.050623333	216.5174821
1	O13	31891	CG14407	15.04575333	0.052821333	284.8423617
1	O14	32275	CG13800	10.95820733	0.042549667	257.5392052
1	O15	31899	CG40446	13.70787333	0.046229667	296.516811
1	O16	32291	CG14380	9.775560333	0.046573667	209.8945828
1	O17	31907	CG40378	11.83187967	0.041454667	285.4173153
1	O18	32299	CG14402	10.58092067	0.042310333	250.0788775
1	O19	31923	CG32945	13.19703	0.042211333	312.6418655
1	O20	32307	CG14448	9.524355667	0.045362333	209.9617671
1	O21		wts	57.80474333	0.03153	1833.325193
1	O22		HFA17794	1.400014667	0.010675667	131.140725
1	O23		hpo	37.94312	0.03136	1209.920918
1	O24		Luc	1.932734333	0.043465667	44.46576992
1	P01	31995	CG32602	7.496788667	0.086215667	86.95390242
1	P02	29294	CG30032	10.78393867	0.061397333	175.6418085
1	P03	31978	CG40260	10.379594	0.049227333	210.8502187
1	P04	29265	CG2944	11.38852767	0.060448667	188.3999813
1	P05	31939	CG40235	10.81934667	0.052634	205.558131
1	P06	29295	CG30045	11.79905	0.055450333	212.7859165
1	P07	31947	CG32727	9.858821667	0.059949667	164.4516511
1	P08	29297	CG30073	11.25494667	0.059602	188.8350503
1	P09	31955	CG40287	11.71437	0.053716	218.0797155
1	P10	29298	CG30085	9.946169333	0.045463	218.7750332
1	P11	31963	CG32738	8.863371333	0.055579667	159.4714734
1	P12	29299	CG30098	11.2749	0.050360667	223.8830569
1	P13	31971	CG33062	7.829584	0.044054667	177.724282
1	P14	29300	CG30114	8.631534	0.042468667	203.2447608
1	P15	32003	CG40234	11.306363	0.039116667	289.0420878
1	P16	29292	CG30175	10.586179	0.044779667	236.4059357
1	P17	31986	CG32564	8.888557667	0.048300667	184.025569

1	P18	29296	CG30056	9.955050333	0.043594	228.358268
1	P19	32011	CG32726	12.79156	0.046836667	273.1099566
1	P20	29289	CG2976	11.69104667	0.039581333	295.3676817
1	P21		wts	52.21936	0.035222667	1482.549873
1	P22		HFA17794	1.179109333	0.011506	102.4777797
1	P23		hpo	36.32528667	0.042376	857.2136744
1	P24		Luc	1.589801	0.041328333	38.46758076
2	A01		DIAP1	0.520394667	0.006610667	78.7204518
2	A02		ex/ft	51.08201	0.039664	1287.868344
2	A03		Luc	1.711456667	0.051946	32.94684223
2	A04		hpo	40.42368667	0.033692	1199.800744
2	A05	28741	CG15149	12.36681	0.051611	239.6157796
2	A06	28929	CG17572	11.20305667	0.039388333	284.4257606
2	A07	28745	CG15429	13.14492333	0.050245	261.6165456
2	A08	28938	CG17540	9.39426	0.045906667	204.6382515
2	A09	28747	CG15563	12.74447333	0.042870333	297.2795484
2	A10	28934	CG17377	13.08183667	0.038655333	338.4225549
2	A11	28737	CG33152	9.138473	0.044743667	204.2405927
2	A12	28931	CG17658	12.521402	0.038157667	328.1490482
2	A13	28744	CG15287	10.80584533	0.044162667	244.682809
2	A14	28980	CG17489	1.173367333	0.029110667	40.30712683
2	A15	28743	CG15241	10.78421333	0.037999333	283.8000667
2	A16	32116	CG11771	9.371778	0.035817667	261.6523876
2	A17	28746	CG15481	5.954307	0.041869667	142.2105184
2	A18	32124	CG11821	11.71311	0.036031	325.084233
2	A19	28774	CG15845	8.785126333	0.044039333	199.4836358
2	A20	32132	CG11983	12.36063333	0.035277333	350.3845718
2	A21	28933	CG17334	12.69593	0.037198333	341.3037322
2	A22	32156	CG13421	13.98549	0.034599333	404.2127016
2	A23	28928	CG17250	13.94506333	0.036942333	377.4819313
2	A24	32140	CG12027	17.40223667	0.036545667	476.1778414
2	B01		DIAP1	0.492309	0.010110667	48.69204141
2	B02		ex/ft	43.31631333	0.048065	901.2028156
2	B03		Luc	1.912246	0.051242333	37.31769956
2	B04		hpo	39.58307333	0.045825667	863.7751769
2	B05	32164	CG13494	10.58467367	0.046333667	228.4445508
2	B06	29026	CG18024	8.051021	0.048509667	165.9673536
2	B07	32180	CG13545	9.664973	0.047686	202.6794657
2	B08	29027	CG18107	12.27833333	0.047579	258.0620302
2	B09	32188	CG13563	12.910327	0.044172667	292.269586
2	B10	29028	CG18171	14.56762	0.044666333	326.1431802
2	B11	32204	CG13606	11.451122	0.039280333	291.5230353
2	B12	29099	CG18335	14.37919	0.040715333	353.1640005
2	B13	32159	CG13436	11.95198667	0.046156	258.9476269
2	B14	32404	CG30266	13.60252333	0.041240333	329.8354362
2	B15	29017	CG40072	10.65766533	0.03993	266.9087236
2	B16	32412	CG30419	12.79060667	0.045751667	279.5659175
2	B17	29021	CG17742	12.68438	0.041342333	306.8133552
2	B18	32420	CG31258	10.81591433	0.061193	176.750843
2	B19	29022	CG17806	8.282655667	0.038138667	217.172135
2	B20	32436	CG31675	12.60775667	0.036244333	347.8545612
2	B21	29025	CG17945	13.26358333	0.034732333	381.8799965
2	B22	32452	CG32718	13.01877333	0.031973	407.180225
2	B23	29024	CG17917	10.970354	0.040312667	272.1316873

2	B24	32444	CG32574	13.44054667	0.037529	358.137618
2	C01	28754	CG15226	9.692224667	0.050151	193.2608456
2	C02	28949	CG40223	7.98929	0.062269	128.3028473
2	C03	28739	CG15876	9.976369333	0.060855333	163.9358259
2	C04	28947	CG17419	13.28008	0.057168	232.2991884
2	C05	28753	CG15151	10.59591267	0.063660333	166.444505
2	C06	28940	CG17574	9.885070667	0.047056333	210.0688678
2	C07	28757	CG15432	11.7714	0.070454667	167.077648
2	C08	28975	CG17631	10.20863633	0.052704	193.6975625
2	C09	28759	CG15593	9.602987	0.045879333	209.3096456
2	C10	28945	CG17381	10.50718333	0.047898	219.3658051
2	C11	28812	CG15142	8.894887	0.047212333	188.4017665
2	C12	28942	CG17660	7.678982	0.047428667	161.9059219
2	C13	28756	CG15362	8.065847667	0.047652333	169.2644851
2	C14	28996	CG17650	9.502318667	0.049808667	190.7764111
2	C15	28755	CG15242	9.298566667	0.046225667	201.1559235
2	C16	32117	CG11775	9.503229	0.047944333	198.2138105
2	C17	28758	CG15505	8.601678667	0.050746	169.5045652
2	C18	32125	CG11839	12.62626	0.048997333	257.6927996
2	C19	28786	CG15848	10.49335833	0.045862667	228.7995683
2	C20	32133	CG11993	8.445068667	0.040567667	208.1724033
2	C21	28944	CG17337	10.45809667	0.044456667	235.2424833
2	C22	32157	CG13424	9.352479667	0.041052333	227.8184675
2	C23	28939	CG17257	9.325283667	0.036233667	257.3651668
2	C24	32141	CG12045	10.86286567	0.038991	278.5993092
2	D01	32172	CG13524	10.95272333	0.071740333	152.6717653
2	D02	29020	CG33103	17.12543667	0.056726	301.8974838
2	D03	32196	CG13585	9.312871	0.061971667	150.2762714
2	D04	29019	CG18336	8.795628667	0.044487667	197.7093726
2	D05	32165	CG13495	9.041331	0.051185	176.6402462
2	D06	29037	CG18026	9.626741333	0.048366667	199.0366919
2	D07	32181	CG13548	7.952400333	0.049414667	160.9319838
2	D08	29038	CG18108	8.913602667	0.057293333	155.578357
2	D09	32189	CG13566	9.755231333	0.062989	154.8719829
2	D10	29039	CG18180	9.540367	0.047112333	202.5025365
2	D11	32205	CG13609	9.922115667	0.046285667	214.366917
2	D12	29100	CG18432	11.55229	0.04566	253.0067893
2	D13	32160	CG13455	11.78251	0.051717	227.8266334
2	D14	32405	CG30269	9.998738667	0.049306	202.7894915
2	D15	29029	CG17691	9.731147333	0.038620667	251.9673577
2	D16	32413	CG3069	13.07028667	0.043593667	299.8207691
2	D17	29033	CG17746	10.72074133	0.049848667	215.065759
2	D18	32421	CG31288	9.580062667	0.043436667	220.5524365
2	D19	29034	CG17814	10.03686733	0.036745667	273.1442438
2	D20	32437	CG31676	9.569363	0.044777667	213.7083889
2	D21	29036	CG17946	5.273636667	0.029044	181.5740486
2	D22	32453	CG32755	10.815891	0.050716	213.2638812
2	D23	29080	CG17903	7.067209	0.033080667	213.6356281
2	D24	32445	CG32639	10.14526733	0.035865	282.8737581
2	E01	28766	CG15231	6.937225667	0.059626	116.345649
2	E02	28960	CG17514	7.023266	0.047614667	147.5021562
2	E03	28751	CG15877	9.844309667	0.064469333	152.6975565
2	E04	28959	CG40199	0.571275333	0.034126	16.74017855
2	E05	28765	CG15159	6.376640333	0.045872333	139.0084147

2	E06	28952	CG17577	6.795180667	0.053342333	127.3881408
2	E07	28769	CG15434	6.626500333	0.043478	152.4104221
2	E08	28961	CG17559	8.225498667	0.050667333	162.3432323
2	E09	28771	CG15595	6.939315	0.050244	138.1123119
2	E10	28957	CG17387	6.825853667	0.046596667	146.4880249
2	E11	28761	CG15660	7.80656	0.05653	138.0958783
2	E12	28954	CG17662	7.039713	0.044984333	156.4925493
2	E13	28810	CG15859	5.496626	0.044678333	123.0266572
2	E14	29002	CG40016	6.183264667	0.047154333	131.1282385
2	E15	28767	CG15257	8.021663667	0.04521	177.4311804
2	E16	32118	CG11786	8.567168	0.045038	190.2208801
2	E17	28770	CG15522	6.467185333	0.041424	156.1217008
2	E18	32126	CG11852	8.159888	0.043881333	185.953511
2	E19	28932	CG17290	8.252266	0.039911	206.7667059
2	E20	32134	CG12001	9.761196	0.046445	210.1667779
2	E21	28956	CG17343	9.569290333	0.046388333	206.2865735
2	E22	32158	CG13426	8.236093	0.041722	197.4040794
2	E23	28951	CG17259	5.888146333	0.042656667	138.0357818
2	E24	32142	CG12047	9.377552667	0.037555	249.7018417
2	F01	32173	CG13532	6.556641	0.066758333	98.21456997
2	F02	29032	CG18473	8.638893	0.067724333	127.559661
2	F03	32197	CG13587	8.058975667	0.059705667	134.9784052
2	F04	29041	CG18271	10.89424133	0.060203667	180.9564423
2	F05	32166	CG13500	6.508343333	0.058788	110.7087047
2	F06	29048	CG18039	7.786921	0.062849333	123.8982275
2	F07	32182	CG13549	6.651425667	0.053884	123.4397162
2	F08	29049	CG18109	8.406878333	0.050890667	165.1948949
2	F09	32190	CG13568	8.837772667	0.053651	164.7270818
2	F10	29050	CG18186	6.249011667	0.048353	129.2373103
2	F11	32206	CG13611	6.288929333	0.045752	137.4569272
2	F12	29101	CG18537	7.986219667	0.054153333	147.4742029
2	F13	32161	CG13470	9.100324333	0.049002667	185.7107981
2	F14	32406	CG30273	6.839494	0.046757667	146.2753488
2	F15	29040	CG40220	7.66309	0.042756	179.2284124
2	F16	32414	CG31009	6.966764	0.039459333	176.5555424
2	F17	29044	CG17751	8.415091	0.043378333	193.9929535
2	F18	32422	CG31298	7.515351	0.039375333	190.8644414
2	F19	29045	CG17820	7.767548333	0.044725667	173.6709347
2	F20	32438	CG31740	7.548177333	0.043381667	173.9946368
2	F21	29105	CG17943	7.097475333	0.040019333	177.3511636
2	F22	32454	CG32762	6.914931	0.041929333	164.9186965
2	F23	29092	CG17911	10.637395	0.045362	234.5001323
2	F24	32446	CG32669	9.021633333	0.040882667	220.6713522
2	G01	28778	CG15233	13.05621	0.054518667	239.481462
2	G02	28971	CG40304	16.09282667	0.058547333	274.8686533
2	G03	28763	CG15884	11.85622	0.040740667	291.0168382
2	G04	28964	CG40443	10.27697733	0.043974	233.7057655
2	G05	28777	CG15172	9.791361	0.042053333	232.8319832
2	G06	28963	CG17580	12.41881667	0.046798667	265.3668908
2	G07	28781	CG15437	28.87081	0.049364333	584.8516135
2	G08	28972	CG17560	9.608361667	0.046189333	208.0212242
2	G09	28783	CG15597	11.42032567	0.048328333	236.3070456
2	G10	28968	CG17389	10.06110233	0.050417	199.5577352
2	G11	28773	CG15673	12.13793567	0.05048	240.4503896

2	G12	28965	CG17665	13.30832333	0.056424667	235.8600258
2	G13	28780	CG15386	12.65037333	0.043746667	289.1734227
2	G14	32148	CG12819	10.60096333	0.049038667	216.1756029
2	G15	28779	CG15260	11.84438333	0.042318	279.8899601
2	G16	32119	CG11788	12.91511333	0.037940333	340.4059005
2	G17	28823	CG15917	13.54073667	0.041334667	327.5879004
2	G18	32127	CG11872	14.0745	0.037851333	371.836307
2	G19	28943	CG17293	8.551956667	0.049894333	171.4013615
2	G20	32135	CG12009	11.41996667	0.03602	317.0451601
2	G21	28967	CG17358	4.451583333	0.031121	143.0411405
2	G22	32153	CG13380	12.01668333	0.034074	352.6642993
2	G23	28962	CG17261	10.76519067	0.039693	271.2113135
2	G24	32143	CG12740	2.002573333	0.028454	70.3793257
2	H01	32174	CG13533	11.37081333	0.059096	192.4125716
2	H02	29043	CG18496	10.82365433	0.062587667	172.9358979
2	H03	32198	CG13592	10.88312533	0.043182333	252.0272642
2	H04	29052	CG18284	10.19570933	0.049518	205.8990535
2	H05	32167	CG13501	10.82853767	0.059794333	181.0963859
2	H06	29059	CG18066	11.75995333	0.049307	238.5047424
2	H07	32183	CG13552	10.19392767	0.041681333	244.568176
2	H08	29060	CG18110	10.373846	0.046001333	225.5118547
2	H09	32191	CG13577	14.8106	0.04401	336.5280618
2	H10	29061	CG18188	9.982123667	0.051052	195.5285526
2	H11	32207	CG13614	11.26782333	0.043999333	256.0907741
2	H12	32428	CG3152	10.98407567	0.048610667	225.9601939
2	H13	32162	CG13472	10.44827667	0.040846	255.796814
2	H14	32407	CG30279	11.35413467	0.043382667	261.7205335
2	H15	29051	CG40281	10.13278167	0.038382	263.9982718
2	H16	32415	CG31097	12.90649	0.039603	325.8967755
2	H17	29055	CG33098	12.05822	0.039244	307.2627663
2	H18	32423	CG31300	11.09473667	0.032834333	337.90047
2	H19	29056	CG17824	11.56814	0.038454333	300.8279951
2	H20	32439	CG31752	11.20967	0.034849	321.6640363
2	H21	29058	CG17956	15.09428667	0.035536333	424.7564465
2	H22	32455	CG32773	11.67729	0.038196667	305.7148966
2	H23	29057	CG17929	13.91129667	0.041871	332.2418062
2	H24	32447	CG32672	7.441109333	0.044095333	168.7504951
2	I01	28790	CG15234	3.368722	0.046898	71.83082434
2	I02	28981	CG17525	10.75393167	0.046157333	232.9842495
2	I03	28775	CG15888	12.24389333	0.060191333	203.4162172
2	I04	28979	CG40065	9.629484	0.053352	180.4896536
2	I05	28789	CG15177	10.10938267	0.053365333	189.4372626
2	I06	28974	CG17597	11.75329667	0.050085667	234.6638759
2	I07	28793	CG1544	13.41883	0.049327333	272.0363963
2	I08	28982	CG17565	12.38802	0.054627667	226.7719043
2	I09	28795	CG15610	20.67908333	0.078061667	264.907018
2	I10	28978	CG17368	9.095937667	0.04925	184.6890897
2	I11	28785	CG15684	9.629372	0.055886667	172.3017774
2	I12	28930	CG17618	9.193077667	0.042757	215.0075465
2	I13	28792	CG15389	10.596159	0.049425	214.3886495
2	I14	32149	CG12820	10.52109167	0.043748667	240.4894244
2	I15	28824	CG15145	11.10747	0.045077333	246.4092079
2	I16	32120	CG11790	9.415522	0.044209	212.9774933
2	I17	28794	CG15534	9.569999667	0.041488333	230.6672478

2	I18	32128	CG11881	9.569913	0.048769	196.2294285
2	I19	28955	CG17295	10.41252667	0.040555333	256.7486397
2	I20	32136	CG12020	12.76328	0.040208333	317.4287254
2	I21	28998	CG17327	13.13331333	0.041111	319.4598364
2	I22	32154	CG13394	9.058535333	0.038808333	233.4172729
2	I23	28973	CG17264	10.05391967	0.038862333	258.7060221
2	I24	32144	CG12744	14.77310333	0.039470333	374.2837236
2	J01	32175	CG13534	13.61091333	0.047158	288.623634
2	J02	29054	CG18510	10.402288	0.050902333	204.3577832
2	J03	32199	CG13595	10.23178633	0.054426	187.9944573
2	J04	29063	CG18304	6.228621667	0.048961667	127.2142492
2	J05	32168	CG13504	8.604768667	0.048616	176.9945834
2	J06	29071	CG18069	9.733964333	0.051267667	189.8655618
2	J07	32184	CG13556	12.98396333	0.058605	221.5504365
2	J08	29072	CG18111	2.084728333	0.048514333	42.9713899
2	J09	32192	CG13578	8.643096667	0.052075667	165.9718871
2	J10	29073	CG1821	0.851627667	0.050451	16.88029309
2	J11	32208	CG13615	8.665681333	0.047117667	183.915757
2	J12	32429	CG31551	8.279028333	0.036775	225.1265352
2	J13	32163	CG13481	12.33114	0.050755667	242.9510005
2	J14	32408	CG30330	9.545375	0.037131333	257.0706232
2	J15	29062	CG17707	12.490183	0.044051333	283.5370023
2	J16	32416	CG31102	11.71587833	0.039611	295.7733542
2	J17	29066	CG17785	15.15786	0.046420333	326.5349236
2	J18	32424	CG31369	11.80103667	0.042165	279.8775446
2	J19	29067	CG1783	9.944860667	0.040432667	245.9610381
2	J20	32440	CG3193	1.918877333	0.025677	74.73136789
2	J21	29070	CG17958	12.96733667	0.038259333	338.9326352
2	J22	32433	CG31636	11.36427467	0.037987	299.1622046
2	J23	29069	CG1793	13.34223767	0.027239667	489.8091386
2	J24	32448	CG32690	12.88960333	0.03671	351.1196767
2	K02	28992	CG17527	14.65830333	0.054551667	268.7049586
2	K03	28798	CG15855	12.20988233	0.048101	253.8384302
2	K04	28990	CG40222	12.43160967	0.054746333	227.0765713
2	K05	28801	CG15180	12.043706	0.065689667	183.342474
2	K06	28984	CG17604	12.64498667	0.057779667	218.8483838
2	K07	28805	CG15443	13.31707667	0.057849667	230.2014417
2	K08	28993	CG17567	11.40058533	0.046496333	245.1932124
2	K09	28807	CG15626	10.79188533	0.047127333	228.994186
2	K1	28802	CG15235	13.70736667	0.062339	219.8842886
2	K10	28988	CG17370	12.30462333	0.046170667	266.5030467
2	K11	28797	CG15690	10.00568333	0.048212	207.5351227
2	K12	28986	CG17673	13.98845333	0.045936333	304.5182826
2	K13	28804	CG15395	13.73353333	0.049399333	278.0104995
2	K14	32150	CG12837	12.46908667	0.039927333	312.2945017
2	K15	28803	CG15279	12.92026	0.043790667	295.0459763
2	K16	32121	CG11791	13.72481667	0.041599667	329.9261212
2	K17	28806	CG15536	10.64572333	0.040652333	261.8723812
2	K18	32129	CG11905	14.01077333	0.043765333	320.1340483
2	K19	28966	CG17304	11.30500067	0.035513667	318.3281741
2	K20	32137	CG12023	10.202895	0.037639	271.0724249
2	K21	29009	CG17330	13.45445	0.035640667	377.502759
2	K22	32155	CG13396	13.38481667	0.035158333	380.701114
2	K23	28983	CG17266	16.48596	0.040567667	406.3817654

2	K24	32145	CG12756	14.07724667	0.038149333	369.0037397
2	L01	32176	CG13538	12.12976533	0.062542667	193.9438463
2	L02	29065	CG18518	11.14355	0.054301333	205.2168762
2	L03	32203	CG13605	14.45044	0.060821667	237.5870441
2	L04	29075	CG18314	14.74373	0.052338	281.7022049
2	L05	32169	CG13517	11.39688033	0.053716	212.1691923
2	L06	29083	CG18081	13.12383667	0.054056333	242.7807411
2	L07	32185	CG13557	12.22716	0.046667333	262.0068285
2	L08	29084	CG18124	9.715835	0.047822667	203.1638066
2	L09	32193	CG13579	13.43282	0.051428667	261.1932385
2	L10	29085	CG18213	9.975875	0.040184	248.2549024
2	L11	32209	CG13616	12.76743333	0.046947333	271.9522586
2	L12	32451	CG32714	12.04544667	0.044703	269.4549956
2	L13	29023	CG17856	11.43386667	0.047896667	238.7194655
2	L14	32409	CG30396	11.34454333	0.037793	300.1757821
2	L15	29074	CG1772	13.19851667	0.039922	330.6076015
2	L16	32417	CG31104	13.68003	0.042012333	325.6193816
2	L17	29078	CG40398	13.53139333	0.040165333	336.892345
2	L18	32425	CG31370	13.01829	0.041246	315.6255152
2	L19	29079	CG17840	13.84442	0.046233	299.4488785
2	L20	32441	CG31998	11.54798333	0.041120333	280.833894
2	L21	29082	CG17962	15.29618	0.045540333	335.8820386
2	L22	32434	CG31662	13.17271667	0.044801	294.0272911
2	L23	29081	CG17934	12.21262667	0.035642333	342.6438598
2	L24	32449	CG32693	13.56042933	0.032119333	422.1890035
2	M01	28814	CG15236	15.03569667	0.047685	315.3129216
2	M02	29003	CG17531	14.39875333	0.058873	244.5731207
2	M03	28799	CG15908	11.72869333	0.043443667	269.9747566
2	M04	29001	CG1744	9.944089	0.052437	189.6387856
2	M05	28813	CG1519	1.778447667	0.030599333	58.12047103
2	M06	28995	CG17610	11.97193667	0.055516333	215.6471069
2	M07	28817	CG1546	11.71679333	0.050842333	230.4534935
2	M08	29004	CG17570	10.404087	0.051540667	201.8617079
2	M09	28819	CG15634	15.15895333	0.051869667	292.2508338
2	M10	28999	CG17374	10.46303833	0.042294	247.3882426
2	M11	28809	CG15711	10.903854	0.038862333	280.5764107
2	M12	28953	CG17626	17.51122333	0.045963	380.9852127
2	M13	28816	CG15412	11.98995333	0.050920667	235.4634006
2	M14	32151	CG13353	13.95924667	0.039036333	357.5962565
2	M15	28815	CG15282	9.300965667	0.031447333	295.763255
2	M16	32122	CG11797	10.328074	0.032981667	313.1459093
2	M17	28818	CG15544	14.78963	0.041990667	352.212317
2	M18	32130	CG11908	10.89401667	0.044401333	245.3533678
2	M19	28977	CG17321	11.74609333	0.038844667	302.3862564
2	M20	32138	CG12024	11.64991967	0.03635	320.4929757
2	M21	29005	CG17280	11.735112	0.033225	353.2012641
2	M22	32147	CG12813	10.95276	0.032768333	334.2483088
2	M23	28994	CG17279	13.90496667	0.039351333	353.3543971
2	M24	32146	CG12767	10.81801167	0.035537333	304.4125896
2	N01	32177	CG13539	14.69320333	0.071859333	204.4717457
2	N02	29106	CG18004	13.09694333	0.070347667	186.1745237
2	N03	32201	CG13601	8.013201	0.051555	155.4301426
2	N04	29087	CG18321	9.771903333	0.047668	204.9992308
2	N05	32170	CG13518	11.11439833	0.056172	197.8636747

2	N06	29095	CG18090	12.12515333	0.050296667	241.072702
2	N07	32186	CG13558	12.67747333	0.048392667	261.9709598
2	N08	29096	CG18131	7.404108667	0.043420667	170.520382
2	N09	32194	CG13580	10.263403	0.052401	195.8627316
2	N10	29097	CG18223	9.412786333	0.045801333	205.5133693
2	N11	32210	CG13617	12.308304	0.041512	296.4999036
2	N12	32431	CG31633	10.17526033	0.042454	239.6773056
2	N13	29104	CG17916	13.48599667	0.045101	299.0176862
2	N14	32410	CG30401	11.72588333	0.043501	269.5543397
2	N15	29086	CG17725	10.44902467	0.040168	260.1330578
2	N16	32418	CG31105	13.80399	0.043112	320.1890425
2	N17	29090	CG32984	12.57862667	0.038275333	328.6353265
2	N18	32426	CG31436	11.54770467	0.040696	283.7552749
2	N19	29091	CG17853	9.936935667	0.037289667	266.4796056
2	N20	32442	CG32015	11.35076333	0.032668	347.458165
2	N21	29094	CG17994	12.57529667	0.034617333	363.2658976
2	N22	32435	CG31665	11.52635	0.035054333	328.8138414
2	N23	29093	CG17935	11.96918667	0.037807667	316.5809404
2	N24	32450	CG32702	12.17068	0.035815333	339.8175828
2	O01	28826	CG15237	9.401716	0.062318667	150.8651661
2	O02	29015	CG17533	8.872403667	0.047965333	184.9753364
2	O03	28811	CG15909	8.372755	0.047729	175.4228037
2	O04	29013	CG17443	11.744355	0.049507	237.2261498
2	O05	28825	CG1520	5.288083333	0.057100333	92.61037589
2	O06	29014	CG17494	3.907403	0.047474333	82.30558969
2	O07	28829	CG15479	13.93627333	0.059137667	235.6581536
2	O08	29016	CG17571	10.546242	0.055617667	189.6203604
2	O09	28831	CG15635	12.45757	0.049790333	250.2005744
2	O10	29010	CG17376	10.53347433	0.039942667	263.7148496
2	O11	28821	CG15715	11.02851933	0.047087333	234.2141411
2	O12	29008	CG17683	7.517472667	0.051718667	145.35318
2	O13	28828	CG15423	10.418732	0.048904333	213.043125
2	O14	32152	CG13360	10.66644433	0.058323	182.8857283
2	O15	28822	CG15870	10.649004	0.048214333	220.868013
2	O16	32123	CG11808	11.99601667	0.042735333	280.7048812
2	O17	28830	CG15548	12.78686	0.035349333	361.7284626
2	O18	32131	CG11915	12.496636	0.043331	288.3994369
2	O19	28987	CG17326	10.06322067	0.049279333	204.2077274
2	O20	32139	CG12026	9.805594667	0.032875	298.2690393
2	O21		wts	57.03174333	0.038431667	1483.977883
2	O22		HFA17794	1.274237	0.009261333	137.5867766
2	O23		hpo	37.10544667	0.035052	1058.582867
2	O24		Luc	1.467195	0.040825333	35.9383471
2	P01	32178	CG13540	11.21363667	0.075505333	148.5144979
2	P02	29089	CG18530	10.17172967	0.062675333	162.2923904
2	P03	32202	CG13603	9.682719667	0.063574333	152.3054849
2	P04	29088	CG18428	8.255354667	0.061107333	135.0959732
2	P05	32171	CG13519	8.532761333	0.052524	162.4545224
2	P06	29107	CG18106	9.975197	0.057086	174.7398136
2	P07	32187	CG13562	9.326857	0.056255333	165.7950713
2	P08	29108	CG18160	1.688484333	0.045031	37.49604347
2	P09	32195	CG13582	9.667945333	0.055033667	175.6732909
2	P10	29109	CG18233	11.16446333	0.045462333	245.576118
2	P11	32211	CG13618	8.258274667	0.048521667	170.1976711

2	P12	32432	CG31634	9.506192	0.044335333	214.4157106
2	P13	29046	CG40438	12.18735333	0.040503667	300.895063
2	P14	32411	CG30408	11.09735667	0.050296667	220.6380144
2	P15	29098	CG17732	10.45746767	0.044983667	232.4725493
2	P16	32419	CG31203	9.555957667	0.046885667	203.8140512
2	P17	29102	CG17793	9.302247	0.040898667	227.4462167
2	P18	32427	CG31516	12.37232333	0.040886	302.6053743
2	P19	29103	CG17855	9.685851333	0.046165667	209.8063785
2	P20	32443	CG32543	10.46220933	0.035216667	297.0811926
2	P21		wtc	44.39803333	0.031154667	1425.084525
2	P22		HFA17794	0.915142	0.009749333	93.86713621
2	P23		hpo	34.15424667	0.029628333	1152.756258
2	P24		Luc	1.343439667	0.039348	34.14251466
3	A01		DIAP1	0.464308667	0.006333667	73.30803642
3	A02		ex/ft	42.70710667	0.03563	1198.627748
3	A03		Luc	1.735629667	0.049689667	34.9293884
3	A04		hpo	36.62804	0.040009	915.4950136
3	A05	32468	CG33061	10.18085833	0.049593	205.2882127
3	A06	32372	CG15498	12.55847333	0.052257	240.3213605
3	A07	32476	CG33178	10.67462833	0.045761667	233.2657246
3	A08	32388	CG15797	13.335828	0.048665	274.0332477
3	A09	32492	CG40131	12.55717867	0.048622667	258.2577125
3	A10	29689	CG3161	15.04083667	0.045114667	333.3912844
3	A11	32458	CG32804	12.36220333	0.048334	255.7661963
3	A12	29690	CG31627	13.48294667	0.040489667	332.9972256
3	A13	32308	CG14450	11.92519967	0.042713667	279.1893227
3	A14	29691	CG31649	12.87352333	0.049268	261.2958377
3	A15	32348	CG14701	13.72941667	0.044046333	311.7039633
3	A16	29693	CG31688	12.19751933	0.035369667	344.858193
3	A17	32316	CG14480	12.09876	0.038754	312.1938381
3	A18	29685	CG31563	14.4222	0.036107	399.4294735
3	A19	32324	CG14497	12.41589	0.045162333	274.9169293
3	A20	29694	CG31706	11.72787333	0.038809667	302.1894889
3	A21	32332	CG14605	12.73307667	0.039980667	318.4808491
3	A22	29696	CG31738	8.180863	0.036197667	226.0052582
3	A23	32364	CG14872	12.07417	0.037804667	319.3830568
3	A24	29692	CG31668	10.76033767	0.041168667	261.3720224
3	B01		DIAP1	0.554725667	0.009314667	59.55400086
3	B02		ex/ft	46.60633	0.049258333	946.1613263
3	B03		Luc	2.085060667	0.064865333	32.14445312
3	B04		hpo	35.02484667	0.041448	845.0310429
3	B05	29687	CG31775	10.474607	0.057061667	183.5664398
3	B06	28836	CG1663	13.01550467	0.057641667	225.8002834
3	B07	29756	CG31749	11.43947667	0.053126	215.3272723
3	B08	28837	CG16723	13.85091333	0.050786333	272.7291463
3	B09	31732	CG10359	10.84213633	0.05342	202.9602459
3	B10	28841	CG16978	14.09559	0.048795333	288.8716817
3	B11	31740	CG18557	12.84338333	0.048398667	265.3664702
3	B12	28842	CG17027	12.14452333	0.044137	275.1551608
3	B13	31796	CG33122	14.56676333	0.048088667	302.9146854
3	B14	28839	CG16844	11.26479433	0.041860333	269.1042674
3	B15	31764	CG3251	13.08089667	0.052932667	247.1233265
3	B16	28843	CG17086	11.207296	0.044123	254.0012239
3	B17	31772	CG10383	9.228385	0.036494333	252.8717244

3	B18	28832	CG15918	14.49421667	0.041642	348.0672558
3	B19	31756	CG8877	6.667669667	0.051257667	130.0814122
3	B20	28838	CG16798	10.913115	0.037182333	293.5026939
3	B21	31789	CG10977	14.96657	0.042488667	352.2485212
3	B22	28840	CG16926	12.50222333	0.037736	331.3075931
3	B23	31748	CG16940	11.36743	0.040028667	283.9822294
3	B24	28845	CG17163	8.668071333	0.034033	254.6960695
3	C01	32460	CG32815	11.18949667	0.058161333	192.3872103
3	C02	32380	CG15599	8.822106333	0.056069	157.3437431
3	C03	32485	CG40067	10.10747033	0.053566667	188.689552
3	C04	32396	CG30148	10.503403	0.052858667	198.7073012
3	C05	32469	CG33082	7.370462667	0.045268667	162.8159875
3	C06	32373	CG15510	9.301239333	0.052569	176.9339218
3	C07	32477	CG33189	6.878372333	0.054589	126.0029005
3	C08	32389	CG18028	14.27868	0.071603	199.4145497
3	C09	32493	CG40143	10.48758233	0.043425	241.5102437
3	C10	29701	CG31611	3.149455333	0.0246	128.0266396
3	C11	32459	CG32811	8.142485667	0.048456667	168.0364381
3	C12	29702	CG3163	11.907595	0.050386	236.3274521
3	C13	32309	CG14451	12.68001833	0.045728	277.2922134
3	C14	29703	CG31652	10.54752967	0.044377667	237.6765265
3	C15	32358	CG14806	9.641178	0.044356333	217.3574161
3	C16	29705	CG31689	10.22490967	0.043177667	236.8101488
3	C17	32317	CG14482	9.705315333	0.050152333	193.5167257
3	C18	29695	CG33196	9.573274667	0.042219667	226.7491769
3	C19	32325	CG14501	11.69687867	0.041799333	279.8340962
3	C20	29706	CG31709	9.765937667	0.038738333	252.100099
3	C21	32333	CG14607	11.429396	0.043465667	262.9522765
3	C22	29708	CG3174	10.583828	0.046979333	225.2868921
3	C23	32365	CG14876	12.56655267	0.045148667	278.3371823
3	C24	29704	CG3167	9.802074333	0.041428667	236.6012503
3	D01	29688	CG31786	11.26597667	0.066067	170.523509
3	D02	31820	CG15128	8.925812667	0.058407333	152.8200683
3	D03	29686	CG31759	8.309897667	0.050076667	165.9435066
3	D04	31812	CG9087	10.26976633	0.058218333	176.4008989
3	D05	29699	CG31776	11.57398	0.054448667	212.5668213
3	D06	28848	CG1667	9.751100667	0.049331667	197.6641238
3	D07	29768	CG31750	8.174879667	0.051052333	160.1274444
3	D08	28849	CG16738	10.45238133	0.050909	205.315
3	D09	31733	CG10170	7.475998667	0.047392667	157.745896
3	D10	28853	CG16979	8.494063667	0.045624	186.175339
3	D11	31741	CG1539	8.248835	0.04815	171.3153686
3	D12	28854	CG17029	10.03434033	0.047197	212.6054693
3	D13	31797	CG10300	10.36022233	0.048152333	215.1551465
3	D14	28851	CG16874	10.15469833	0.048969333	207.3685232
3	D15	31765	CG10564	8.792593	0.045005667	195.3663539
3	D16	28855	CG17107	9.942778	0.049900667	199.2514061
3	D17	31773	CG14785	10.69658967	0.039669667	269.6415313
3	D18	28844	CG15919	10.90251333	0.038402333	283.902367
3	D19	31757	CG10098	11.19765	0.048150667	232.5544125
3	D20	28850	CG16799	11.09726667	0.046634	237.965147
3	D21	31810	CG10243	11.94464333	0.040582	294.3335305
3	D22	28852	CG16931	9.210023667	0.038252333	240.770245
3	D23	31786	CG10628	9.157109667	0.042127333	217.3674178

3	D24	28857	CG40146	9.043151	0.037607	240.4645678
3	E01	32461	CG32816	6.134710333	0.069425667	88.36372235
3	E02	32381	CG15602	7.480704	0.062559333	119.5777449
3	E03	32467	CG32924	8.702176333	0.062852667	138.453574
3	E04	32397	CG30189	9.061070667	0.065019667	139.3589222
3	E05	32470	CG33083	7.565601333	0.059185667	127.8282692
3	E06	32374	CG15520	9.019059333	0.050181667	179.7281743
3	E07	32478	CG33200	9.897956333	0.063656	155.4913336
3	E08	32390	CG18140	8.871652333	0.058167333	152.5194955
3	E09	32494	CG40158	8.550539333	0.060096	142.2813387
3	E10	29713	CG31613	2.446830667	0.032366	75.59879709
3	E11	32340	CG14630	6.620178667	0.049041	134.992734
3	E12	29714	CG31630	9.505998667	0.050578	187.9473025
3	E13	32310	CG14455	9.180845	0.050921	180.2958504
3	E14	29715	CG31653	7.579509667	0.044836	169.0496402
3	E15	32350	CG14716	7.637712	0.052147	146.4650315
3	E16	29717	CG31693	8.753708333	0.047718333	183.4453914
3	E17	32318	CG14485	8.763318333	0.049869333	175.7255962
3	E18	29709	CG31600	9.379239667	0.04659	201.314438
3	E19	32326	CG14512	8.762036667	0.042885	204.3147177
3	E20	29718	CG31713	8.062187333	0.03575	225.5157296
3	E21	32334	CG14608	9.467853333	0.045132	209.781382
3	E22	29720	CG31742	7.699391667	0.036680667	209.9032642
3	E23	32366	CG14889	9.657995333	0.043122	223.9690954
3	E24	29716	CG31674	9.551329	0.045025	212.1339034
3	F01	29700	CG31787	8.353332667	0.072958667	114.4940423
3	F02	31821	CG15929	8.278719	0.070902667	116.7617438
3	F03	29770	CG31771	6.993068333	0.061963333	112.8581688
3	F04	31819	CG30443	7.198057667	0.059886333	120.1953312
3	F05	29711	CG31777	8.580851333	0.050440333	170.1188467
3	F06	28860	CG16704	7.717778333	0.051933	148.6102927
3	F07	29780	CG31758	8.762752	0.051329333	170.7162636
3	F08	28861	CG16742	9.828843	0.060132667	163.4526381
3	F09	31734	CG10013	4.009824667	0.066855667	59.97733426
3	F10	28865	CG16997	8.225254	0.052571	156.4599114
3	F11	31742	CG10061	9.486076	0.050118	189.2748314
3	F12	28866	CG32843	8.597862333	0.052224667	164.6322108
3	F13	31798	CG5844	1.264243333	0.017892333	70.65838255
3	F14	28863	CG32975	6.679892	0.047342	141.0986439
3	F15	31766	CG10071	9.070848	0.053305333	170.1677381
3	F16	28867	CG17108	9.477876667	0.049144667	192.8566681
3	F17	31774	CG10110	17.87223333	0.046015	388.4001594
3	F18	28856	CG15922	6.339387333	0.035259333	179.7931706
3	F19	31809	CG1837	8.544119	0.041719333	204.7999888
3	F20	28859	CG17234	7.158364	0.045015667	159.0193932
3	F21	31791	CG10067	8.222126	0.038779667	212.0215749
3	F22	28864	CG16937	8.893875333	0.036145	246.0610135
3	F23	31750	CG18466	10.70581167	0.053772	199.0964009
3	F24	28919	CG17249	7.508733333	0.043698667	171.8298041
3	G01	32462	CG32845	12.6941	0.049576	256.0533323
3	G02	32382	CG15657	10.31425767	0.047215333	218.4514423
3	G03	32487	CG40113	11.4361	0.046663333	245.0767912
3	G04	32398	CG30191	11.014037	0.054475	202.1851675
3	G05	32471	CG33120	10.570558	0.049903333	211.82068

3	G06	32375	CG15530	10.90111333	0.045787667	238.0796867
3	G07	32479	CG33204	12.30187233	0.053193	231.2686318
3	G08	32369	CG15068	12.14811667	0.050844667	238.9260755
3	G09	32495	CG40165	8.746047333	0.050862333	171.9552911
3	G10	29725	CG31617	8.759249	0.069185333	126.6055763
3	G11	32341	CG14639	12.34766333	0.047879	257.8930916
3	G12	29726	CG31639	14.39626667	0.057186	251.7445995
3	G13	32311	CG14456	12.86408	0.051648333	249.0705734
3	G14	29727	CG4260	23.33857667	0.039367	592.8462079
3	G15	32351	CG14718	12.47487	0.046303333	269.4162407
3	G16	29729	CG31695	10.86433667	0.045055667	241.1314152
3	G17	32319	CG14489	13.52576	0.039454333	342.820645
3	G18	29721	CG31601	11.010944	0.043941333	250.5828377
3	G19	32327	CG14523	11.67326667	0.042936333	271.8738597
3	G20	29730	CG31715	10.01760267	0.040185333	249.285046
3	G21	32335	CG14609	11.66015667	0.038556333	302.418712
3	G22	29732	CG31745	11.68197333	0.035849	325.8660865
3	G23	32363	CG14860	12.27883833	0.040735333	301.4296761
3	G24	29728	CG31677	10.03535433	0.037069333	270.7185005
3	H01	29712	CG31788	14.74356	0.063169	233.3986607
3	H02	31822	CG5993	12.785548	0.057716667	221.5226336
3	H03	29710	CG31765	10.78555067	0.049047333	219.9008577
3	H04	31814	CG10326	11.74566667	0.055662333	211.0164264
3	H05	29723	CG31778	10.87164767	0.055254333	196.7564716
3	H06	28872	CG1671	6.067169667	0.06362	95.36576024
3	H07	29772	CG31796	11.56600333	0.054846667	210.8788744
3	H08	28873	CG16753	11.70685667	0.050309333	232.6975114
3	H09	31735	CG11977	9.771306	0.054734333	178.5224265
3	H10	28877	CG17002	9.956476667	0.041763667	238.4004438
3	H11	31743	CG6761	12.26879667	0.044309667	276.8875866
3	H12	28878	CG17049	11.08768667	0.048763667	227.3759835
3	H13	31799	CG16905	5.119619	0.036156	141.5980474
3	H14	28875	CG16884	12.56689667	0.043184	291.0081666
3	H15	31767	CG10527	10.46141667	0.042419333	246.6190731
3	H16	28879	CG17144	15.12600667	0.050815667	297.6642374
3	H17	31775	CG10575	11.00574333	0.038131333	288.6272881
3	H18	28868	CG15925	12.04867	0.041714333	288.8376497
3	H19	31759	CG10361	9.855954	0.035658333	276.3997383
3	H20	28871	CG17239	9.605892	0.036198	265.370794
3	H21	31792	CG10447	7.038693	0.034946	201.4162708
3	H22	28917	CG40145	10.794973	0.049706	217.1764576
3	H23	31751	CG10395	14.28203333	0.04905	291.1729528
3	H24	28881	CG17168	9.208315667	0.045256333	203.4702104
3	I01	32463	CG32846	12.39139933	0.065899333	188.035276
3	I02	32383	CG15693	1.86751	0.045094667	41.41310133
3	I03	32488	CG40117	14.39049667	0.062711333	229.4720253
3	I04	32399	CG30195	12.20564333	0.058505333	208.6244559
3	I05	32472	CG33125	11.565694	0.053059	217.9779868
3	I06	32376	CG15537	12.33117933	0.052271333	235.9071129
3	I07	32480	CG40000	12.82354333	0.063559	201.758104
3	I08	32370	CG15218	5.23568	0.073380333	71.34990756
3	I09	32496	CG40176	14.53034333	0.062885667	231.0597009
3	I10	29737	CG31618	1.467608333	0.020443667	71.78792128
3	I11	32342	CG14642	11.05393667	0.050650333	218.2401564

3	I12	29738	CG31643	11.80460667	0.043752333	269.8051913
3	I13	32312	CG14458	14.95442333	0.059072	253.1558663
3	I14	29739	CG31658	10.87227	0.042693667	254.6576776
3	I15	32352	CG14743	11.86443667	0.041620333	285.0634706
3	I16	29741	CG31697	13.28249733	0.049094333	270.5505184
3	I17	32320	CG14491	14.67053667	0.055514333	264.2657452
3	I18	29733	CG31605	9.878877667	0.262723333	37.60182829
3	I19	32328	CG14546	13.34897867	0.044383667	300.7633138
3	I20	29742	CG31717	12.24857	0.042526333	288.0231856
3	I21	32336	CG14612	14.46617333	0.044968	321.6992825
3	I22	29744	CG31747	13.29836333	0.048299333	275.3322337
3	I23	32368	CG14905	11.54551267	0.036943	312.5223362
3	I24	29779	CG31737	15.2555	0.038903	392.1419942
3	J01	29724	CG31789	14.67440667	0.063532333	230.9754088
3	J02	31823	CG6308	10.13284767	0.063894667	158.5867522
3	J03	29722	CG31766	11.39474533	0.051974333	219.2379315
3	J04	31815	CG3321	8.251134	0.037505667	219.996996
3	J05	29735	CG31781	12.01667667	0.056442	212.9030982
3	J06	28884	CG16710	11.711738	0.055216667	212.1051253
3	J07	31781	CG5206	50.47839333	0.059622667	846.6309234
3	J08	28885	CG16772	13.46549	0.052923333	254.4338981
3	J09	31736	CG31321	11.80870833	0.055176	214.0189273
3	J10	28889	CG17019	11.21114533	0.051022333	219.7301574
3	J11	31744	CG14614	8.028072667	0.044401667	180.8056604
3	J12	28890	CG17059	12.65889667	0.063535667	199.2407939
3	J13	31800	CG17154	13.21849	0.045879	288.1163495
3	J14	28887	CG16887	13.88219	0.048815667	284.3798098
3	J15	31768	CG4107	15.4529	0.041832667	369.3979187
3	J16	28891	CG17146	14.05653	0.045221333	310.8384686
3	J17	31776	CG10113	8.290563	0.046306667	179.0360567
3	J18	28924	CG16975	9.408648667	0.052449	179.3866168
3	J19	31760	CG15728	14.17733633	0.047944667	295.7020524
3	J20	28886	CG16813	11.2368	0.038713333	290.2565869
3	J21	31793	CG7392	2.430616667	0.038371	63.34514781
3	J22	28888	CG16957	12.97978333	0.042578667	304.8424093
3	J23	31811	CG5938	11.25294433	0.042784667	263.0134861
3	J24	28893	CG17169	7.738747	0.038393333	201.5648637
3	K02	32384	CG15707	15.58179	0.062392	249.7401911
3	K03	32489	CG40120	13.53736333	0.059015	229.388517
3	K04	32400	CG30196	13.77551667	0.049661	277.3910446
3	K05	32473	CG33136	13.06879667	0.058365667	223.9124028
3	K06	32403	CG30263	12.96906667	0.058891	220.2215392
3	K07	32481	CG40045	14.88035667	0.055292333	269.1215178
3	K08	32393	CG30141	11.04801733	0.054931667	201.1229224
3	K09	32497	CG40177	15.42847667	0.065218333	236.5665585
3	K1	32464	CG32852	12.33537267	0.065852333	187.3186878
3	K10	29749	CG31620	13.22229	0.046760667	282.7652158
3	K11	32343	CG14643	10.69519667	0.053054	201.5907692
3	K12	29750	CG31644	14.37107333	0.052996333	271.1710873
3	K13	32313	CG14460	19.32587	0.059545333	324.5572561
3	K14	29751	CG31659	13.54365333	0.045615333	296.9101033
3	K15	32353	CG14747	12.06993333	0.046057333	262.0632255
3	K16	29753	CG31699	15.80114	0.052824333	299.1261603
3	K17	32359	CG14812	12.51539	0.039422333	317.4695393

3	K18	29745	CG31606	11.25062633	0.048912667	230.014577
3	K19	32362	CG14853	10.88701	0.051894667	209.7905372
3	K20	29776	CG31686	12.48320667	0.044889667	278.0864193
3	K21	32347	CG14678	11.95489	0.048393667	247.0341849
3	K22	29743	CG31730	14.79214333	0.04543	325.6029789
3	K23	32356	CG14796	15.71393	0.046616333	337.0906478
3	K24	29752	CG31680	13.56474667	0.040943333	331.3053814
3	L01	29736	CG31790	15.90106333	0.064365333	247.0439056
3	L02	31824	CG10686	12.55234	0.058834	213.3518034
3	L03	29734	CG31768	12.80267667	0.058966667	217.1171849
3	L04	31816	CG10138	14.44096333	0.063950333	225.8152942
3	L05	29747	CG31783	12.27058333	0.062524667	196.2518793
3	L06	28896	CG16712	11.91121667	0.056710667	210.0348553
3	L07	31782	CG10011	12.67072333	0.047951667	264.2394773
3	L08	28897	CG16777	14.78404667	0.064776667	228.2310503
3	L09	31737	CG5820	13.76301333	0.055083	249.8595453
3	L10	28901	CG17023	9.276051	0.045322	204.6699395
3	L11	31745	CG12576	12.27180333	0.044566333	275.3603991
3	L12	28902	CG17075	11.59999667	0.056129667	206.6642714
3	L13	31801	CG12623	13.64562	0.050333667	271.1032377
3	L14	28899	CG16889	10.92902	0.053792	203.1718471
3	L15	31769	CG8782	11.23658433	0.04568	245.9847709
3	L16	28903	CG17153	15.49386667	0.054809667	282.6849278
3	L17	31804	CG2034	12.92847	0.046213	279.7582931
3	L18	28892	CG1605	10.00133433	0.042135667	237.3602965
3	L19	31761	CG10324	8.459966	0.052618667	160.7787984
3	L20	28898	CG16815	12.23738333	0.042735	286.3550564
3	L21	31794	CG16788	15.42678	0.043970667	350.8425314
3	L22	28900	CG16973	18.32487333	0.057020333	321.3743635
3	L23	31753	CG15529	14.08067667	0.044713667	314.9076718
3	L24	28905	CG17170	20.84313667	0.050722333	410.9262192
3	M01	32456	CG32801	12.063874	0.060261	200.193724
3	M02	32387	CG15757	12.42134	0.058312	213.0151598
3	M03	32490	CG40128	13.07744	0.059479333	219.8652753
3	M04	32395	CG30145	11.665063	0.052073	224.0136539
3	M05	32474	CG33137	14.80726667	0.057665667	256.7778632
3	M06	32378	CG15555	11.13521967	0.049907333	223.1179052
3	M07	32482	CG40049	12.01851	0.057425	209.2905529
3	M08	32394	CG30142	10.28968533	0.053647	191.8035553
3	M09	32498	CG40191	13.78722	0.050873333	271.0107456
3	M10	29761	CG31622	12.38638667	0.050998	242.8798515
3	M11	32344	CG14645	12.03209	0.046954333	256.2508963
3	M12	29762	CG31647	13.83561667	0.054417	254.2517351
3	M13	32314	CG14462	11.76785333	0.045017667	261.4052261
3	M14	29763	CG31661	11.62623	0.050249	231.3723656
3	M15	32354	CG14781	12.70287333	0.057539	220.7697967
3	M16	29765	CG31700	13.01869333	0.046129667	282.2195406
3	M17	32322	CG14493	12.82364667	0.044445667	288.5241156
3	M18	29757	CG31607	10.89287367	0.044223333	246.315075
3	M19	32330	CG14575	12.63349333	0.047629667	265.2442105
3	M20	29766	CG31720	11.86467	0.037413333	317.1241091
3	M21	32338	CG14617	15.30715667	0.043447667	352.3125139
3	M22	29755	CG31735	13.89109	0.039200667	354.3585143
3	M23	32357	CG14803	14.63075	0.044217	330.8851799

3	M24	29764	CG31681	14.51266	0.039203333	370.1894397
3	N01	29748	CG31792	16.44899333	0.068678333	239.5077535
3	N02	31825	CG10265	13.5853	0.074563333	182.1981313
3	N03	29746	CG31769	12.56076667	0.065386333	192.1007958
3	N04	31827	CG12163	12.48628667	0.075652	165.0489963
3	N05	29759	CG31784	13.08740333	0.054524667	240.0272048
3	N06	28908	CG16717	13.40615333	0.053096667	252.4857807
3	N07	31783	CG10477	12.26667667	0.052716667	232.6906734
3	N08	28909	CG16789	14.50119667	0.059959333	241.850532
3	N09	31738	CG10246	10.13209967	0.055625333	182.1490148
3	N10	28913	CG17025	10.16465133	0.048689	208.7668946
3	N11	31746	CG1057	9.806933333	0.035139667	279.0844155
3	N12	28914	CG17083	10.72522833	0.047109667	227.6651289
3	N13	31802	CG10465	8.864869333	0.047043333	188.4405017
3	N14	28911	CG1690	12.12044667	0.058152	208.4269959
3	N15	31770	CG3871	11.61311333	0.042753	271.6327119
3	N16	28907	CG17246	12.29914667	0.046213667	266.1365685
3	N17	31778	CG15377	10.77134467	0.043225333	249.1905518
3	N18	28904	CG1621	3.111383333	0.042036333	74.01652539
3	N19	31762	CG14041	14.08450667	0.040924667	344.1569062
3	N20	28910	CG16827	12.80089	0.038041	336.5024579
3	N21	31755	CG16801	13.96192	0.047988	290.9460699
3	N22	28912	CG16974	12.64408333	0.038167667	331.2773464
3	N23	31754	CG1034	12.45958	0.037842	329.2526822
3	N24	29305	CG30192	11.10856333	0.038559333	288.0901295
3	O01	32457	CG32803	10.89186333	0.068708	158.5239468
3	O02	32386	CG15717	8.955795667	0.060343	148.414823
3	O03	32491	CG40129	12.10568367	0.057302	211.261102
3	O04	32402	CG30219	14.08865	0.057596333	244.6101893
3	O05	32475	CG33140	13.89757	0.068526667	202.8052826
3	O06	32379	CG15580	11.92765	0.05541	215.2616856
3	O07	32483	CG40057	11.43035667	0.052211667	218.9234207
3	O08	29767	CG31736	10.92085067	0.052935	206.3068039
3	O09	32499	CG40195	13.51627	0.062903	214.8748072
3	O10	29773	CG31623	11.43579733	0.046911	243.7764561
3	O11	32346	CG14655	12.66776333	0.053899	235.0277989
3	O12	29774	CG31648	12.12063667	0.047935	252.8556726
3	O13	32315	CG14463	13.21246667	0.064532	204.7428666
3	O14	29775	CG31664	12.698567	0.046776333	271.4741857
3	O15	32355	CG14787	9.096009667	0.046558333	195.3680258
3	O16	29777	CG31704	13.21057667	0.043929	300.7256406
3	O17	32323	CG14495	12.76656667	0.042540333	300.1049984
3	O18	29769	CG31609	12.73639667	0.045372	280.7104969
3	O19	32331	CG14586	13.27744	0.040601333	327.0198023
3	O20	29778	CG31723	11.62317	0.041859	277.6743353
3	O21		wts	57.18345333	0.032708	1748.301741
3	O22		HFA17794	1.240625333	0.009439333	131.431457
3	O23		hpo	35.97282	0.03476	1034.891254
3	O24		Luc	1.606353	0.039565	40.60035385
3	P01	29760	CG31794	10.55455133	0.065368	161.4635805
3	P02	31826	CG10498	5.837885333	0.054128333	107.8526711
3	P03	29758	CG31770	11.59650667	0.059454333	195.0489732
3	P04	31818	CG10562	10.132742	0.063686	159.1047012
3	P05	29771	CG31785	11.05645	0.063441333	174.2783359

3	P06	28920	CG16719	12.85897333	0.060998333	210.8086013
3	P07	31806	CG3611	9.358123	0.063074667	148.365794
3	P08	28921	CG16792	8.287317667	0.086345667	95.97838533
3	P09	31739	CG1307	10.67797467	0.058482	182.5856617
3	P10	28925	CG17026	9.780134333	0.055670333	175.6794642
3	P11	31747	CG13849	5.072520333	0.048177667	105.2877959
3	P12	28926	CG17084	10.16598333	0.047573	213.6922904
3	P13	31803	CG10308	10.98450533	0.045376667	242.0738706
3	P14	28895	CG17242	11.07333933	0.047556667	232.8451532
3	P15	31807	CG10428	10.72442633	0.043142667	248.5805158
3	P16	28927	CG40460	10.54819667	0.048820333	216.0615454
3	P17	31779	CG1070	11.117202	0.048699667	228.2808643
3	P18	28916	CG1635	11.019315	0.054573667	201.9163394
3	P19	31785	CG15275	6.554082333	0.048592	134.8798636
3	P20	28922	CG16840	10.22310733	0.043172	236.7994842
3	P21		wts	50.42685	0.033821333	1490.977588
3	P22		HFA17794	1.013693667	0.009825	103.1749279
3	P23		hpo	40.46954667	0.034757667	1164.334391
3	P24		Luc	1.620443	0.045391	35.69965412
4	A01		DIAP1	0.504135333	0.008262333	61.01609715
4	A02		ex/ft	41.13373333	0.046995	875.2789304
4	A03		Luc	1.510459667	0.046847333	32.2421696
4	A04		hpo	28.52906	0.045689667	624.409458
4	A05	29307	CG30285	9.997677667	0.053603667	186.5110782
4	A06	28640	CG32950	11.88341333	0.047679333	249.236147
4	A07	29310	CG30352	12.25108	0.049614333	246.9262243
4	A08	28647	CG14560	10.55872733	0.051575667	204.7230412
4	A09	29312	CG30373	11.90112	0.05023	236.9325105
4	A10	28649	CG14660	11.28242	0.049265333	229.0133698
4	A11	29302	CG30386	10.32573033	0.047832333	215.8734399
4	A12	28651	CG14830	11.38529333	0.042701	266.6282601
4	A13	29306	CG30270	10.03767533	0.045731	219.4938955
4	A14	28641	CG14868	10.413547	0.046913	221.975721
4	A15	29308	CG30322	11.13031333	0.040955	271.7693403
4	A16	28642	CG14943	10.45895633	0.040826667	256.1795314
4	A17	29303	CG30413	11.19650767	0.041889333	267.287798
4	A18	28643	CG14991	10.69375333	0.042014	254.5283318
4	A19	29309	CG30336	7.792610667	0.044221667	176.2170279
4	A20	28646	CG14496	11.01394	0.037118667	296.7224038
4	A21	29376	CG30437	11.74954	0.038951	301.6492516
4	A22	28648	CG14637	10.27631467	0.040624333	252.9595891
4	A23	29497	CG31135	12.34408667	0.04649	265.5213308
4	A24	28650	CG14719	11.80271333	0.043245667	272.9224508
4	B01		DIAP1	0.434317	0.012655	34.31979455
4	B02		ex/ft	37.58027333	0.056064	670.3102407
4	B03		Luc	1.421298667	0.068830667	20.64920675
4	B04		hpo	32.36387333	0.056296333	574.8842139
4	B05	27891	CG6584	9.571538	0.074351667	128.7333348
4	B06	22809	CG5779	10.49814667	0.057132	183.7524796
4	B07	27882	CG4537	9.506204	0.051498	184.5936541
4	B08	22810	CG5818	10.48928	0.062482	167.8768285
4	B09	27886	CG15178	11.410279	0.057458667	198.5823839
4	B10	22812	CG5861	10.617081	0.059381333	178.7949243
4	B11	27890	CG1495	11.05794333	0.050577333	218.6343685

4	B12	22803	CG3308,CG5919	10.79615167	0.049914667	216.292172
4	B13	27885	CG33171	9.523644	0.049678	191.7074761
4	B14	22802	CG32156	10.59551	0.039395333	268.9534293
4	B15	27883	CG11106	11.05510667	0.046290667	238.8193444
4	B16	22832	CG5735	12.09436	0.046683667	259.0704815
4	B17	22807	CG5649	13.83301667	0.048398667	285.8140031
4	B18	28452	CG12483	9.082099	0.040023667	226.9182151
4	B19	22801	CG4924	11.102267	0.049426	224.6240238
4	B20	28459	CG12636	10.72363433	0.040944333	261.9076551
4	B21	22808	CG5729	9.113557667	0.054121	168.392263
4	B22	28460	CG12807	10.65216933	0.038720333	275.1053107
4	B23	22818	CG4996	10.25832833	0.040005333	256.4240185
4	B24	28457	CG12567	12.11672333	0.043735333	277.0465527
4	C01	29317	CG30193	10.21318	0.049781333	205.1608367
4	C02	28644	CG14325	12.89286333	0.058154333	221.7008191
4	C03	29311	CG30362	12.384021	0.050803333	243.7639459
4	C04	28645	CG14468	10.88131167	0.053859333	202.0320526
4	C05	29319	CG30287	12.20580733	0.050449333	241.9418955
4	C06	28652	CG14250	11.20717933	0.049010333	228.6697227
4	C07	29322	CG30353	11.40223333	0.051231333	222.5636655
4	C08	28659	CG14566	11.65178667	0.052466667	222.0797967
4	C09	29324	CG30374	11.41528367	0.043264667	263.8477202
4	C10	28661	CG14675	10.76113133	0.041140333	261.5713209
4	C11	29314	CG30391	11.84262333	0.043634	271.4081527
4	C12	28663	CG14834	10.09035233	0.040141333	251.3706321
4	C13	29318	CG30271	11.92994	0.034912333	341.7113341
4	C14	28653	CG14884	7.212822333	0.044621333	161.6451548
4	C15	29320	CG30323	12.10238633	0.043135667	280.5656495
4	C16	28654	CG14944	11.00732567	0.042596667	258.4081462
4	C17	29340	CG30432	12.77075333	0.043445	293.9522001
4	C18	28655	CG14996	10.19566533	0.036207	281.5937618
4	C19	29321	CG30338	13.39432	0.041561	322.2809846
4	C20	28658	CG14517	11.18214	0.042125	265.4513947
4	C21	29493	CG31117	12.46120667	0.032706	381.006747
4	C22	28660	CG14638	11.50857333	0.037571333	306.3126142
4	C23	29509	CG31141	11.80826567	0.040222	293.5772877
4	C24	28662	CG14721	11.662147	0.042119333	276.883466
4	D01	27896	CG15203	15.09891333	0.061222667	246.6229283
4	D02	22804	CG5962	10.34942333	0.053129667	194.7955631
4	D03	27901	CG18539	10.54248167	0.051994	202.7634278
4	D04	22811	CG5841	11.58299167	0.059403	194.9900117
4	D05	27903	CG6884	5.125157667	0.036921333	138.8129085
4	D06	22821	CG5786	9.758189667	0.058775333	166.0252544
4	D07	27894	CG5925	10.53892667	0.052469667	200.8575113
4	D08	22822	CG31919	11.89094667	0.04952	240.1241249
4	D09	27898	CG32696	12.25248667	0.056137667	218.2578542
4	D10	22824	CG5862	10.96051033	0.050297	217.9157869
4	D11	27965	CG14759	12.38188333	0.048339667	256.1433329
4	D12	22815	CG5924	10.72934067	0.049520667	216.6638979
4	D13	27897	CG14850	13.07263333	0.054842667	238.366114
4	D14	22814	CG5892	12.76736333	0.049205	259.4728855
4	D15	27895	CG12206	13.21562333	0.053413667	247.4202607
4	D16	22844	CG5741	11.01530933	0.050960333	216.1545777
4	D17	22819	CG5659	14.22869	0.047521667	299.4147933

4	D18	28464	CG12489	9.831525333	0.039381333	249.649377
4	D19	22813	CG4935	12.09203	0.048356333	250.0609365
4	D20	28471	CG1268	13.19527333	0.038403667	343.5941013
4	D21	22820	CG5733	5.312842667	0.047653667	111.4886438
4	D22	28515	CG12558	11.439995	0.045723333	250.2003718
4	D23	22830	CG4999	11.52484	0.035720667	322.6378754
4	D24	28526	CG12559	6.734129667	0.035566333	189.3400032
4	E01	29329	CG30197	15.39635	0.048953	314.5129001
4	E02	28710	CG14766	15.37539333	0.051729667	297.2258343
4	E03	29323	CG30363	13.91253	0.053133667	261.8402018
4	E04	NA	NA	15.13407333	0.060759	249.0836474
4	E05	29331	CG30288	13.19196667	0.053602333	246.1080674
4	E06	NA	NA	13.45892333	0.051151	263.1214118
4	E07	29334	CG30354	13.82791	0.057963333	238.5630571
4	E08	28671	CG14589	17.26909333	0.054569667	316.4595716
4	E09	29336	CG30378	15.77189433	0.055266333	285.3797852
4	E10	28673	CG14684	15.32961333	0.056416333	271.7229644
4	E11	29326	CG30392	14.59836	0.047815667	305.3049558
4	E12	28675	CG14835	13.36384667	0.046160333	289.509319
4	E13	29330	CG30274	16.31273	0.045125667	361.4956012
4	E14	28665	CG14885	17.05304667	0.045292667	376.5078968
4	E15	29332	CG30325	15.16446	0.044463	341.0579583
4	E16	28666	CG14963	15.87305667	0.040477	392.1500276
4	E17	29327	CG30415	11.81936	0.039231667	301.2709121
4	E18	28667	CG15013	11.95482767	0.036839333	324.5125952
4	E19	29333	CG30339	13.80864333	0.045181333	305.6271764
4	E20	28729	CG14494	12.34681	0.040533	304.6113044
4	E21	29505	CG31118	13.68646667	0.040171333	340.702325
4	E22	28672	CG14646	11.49804133	0.042858333	268.2801789
4	E23	29521	CG31142	10.79081733	0.042941667	251.2901378
4	E24	28674	CG14723	10.51325733	0.037661667	279.1500819
4	F01	27908	CG33175	12.78886	0.074555333	171.5351462
4	F02	22816	CG5965	10.02363933	0.052911333	189.4421989
4	F03	27913	CG32043	13.0217	0.056109	232.0786327
4	F04	22823	CG31177	14.37342333	0.061914333	232.1501752
4	F05	27915	CG6955	12.37468733	0.058966	209.8614004
4	F06	22833	CG5793	11.47601667	0.048693667	235.6778089
4	F07	27906	CG6738	11.35275633	0.062036	183.0027135
4	F08	22834	CG5823	11.4648	0.04638	247.1927555
4	F09	27910	CG2096	13.33715667	0.046305333	288.0263613
4	F10	22836	CG5871	13.49562333	0.048553	277.9565286
4	F11	27914	CG3922	1.073029667	0.030011	35.75454556
4	F12	22827	CG5931	4.702962667	0.040636667	115.731999
4	F13	27909	CG31114	13.44956333	0.043079333	312.2045374
4	F14	22826	CG5905	11.180844	0.041033	272.4841956
4	F15	27907	CG12565	14.23998333	0.041222	345.4462019
4	F16	22856	CG5745	16.17879	0.049923667	324.0705477
4	F17	22831	CG5660	13.48617	0.038610333	349.2891368
4	F18	28476	CG12493	12.19357067	0.048014333	253.9568879
4	F19	22825	CG4936	9.527684	0.048168667	197.7983752
4	F20	28483	CG12713	10.497993	0.047260333	222.1311671
4	F21	22805	CG32921	13.28675	0.046573333	285.2866447
4	F22	28484	CG12840	13.72461333	0.038751333	354.1713834
4	F23	22842	CG5621	15.11445667	0.040001	377.8519704

4	F24	28481	CG1257	12.16587	0.037138	327.5854919
4	G01	29341	CG30203	14.91772333	0.057466333	259.5906589
4	G02	28668	CG14359	9.737826	0.066532	146.3630433
4	G03	29335	CG30366	13.38362333	0.057669667	232.0738805
4	G04	28669	CG14470	11.69526333	0.045933	254.6157084
4	G05	29343	CG30289	10.505475	0.061959333	169.5543582
4	G06	28676	CG14264	12.93264333	0.054574667	236.9715497
4	G07	29346	CG30355	12.96980333	0.055773667	232.5434942
4	G08	28683	CG14590	12.93326333	0.053742333	240.6531784
4	G09	29348	CG30379	13.94319667	0.059546667	234.1557882
4	G10	28685	CG14686	12.60238333	0.052289667	241.0109709
4	G11	29338	CG30395	12.06240967	0.054606	220.8989794
4	G12	28687	CG14840	13.35090333	0.052911333	252.3259667
4	G13	29342	CG30278	11.95131	0.051303667	232.9523556
4	G14	28677	CG14909	13.16391	0.048363667	272.1859385
4	G15	29344	CG30327	11.74608667	0.048113	244.1354035
4	G16	28678	CG14968	12.67678333	0.041627667	304.5278381
4	G17	29339	CG30416	12.88251667	0.038377667	335.6774339
4	G18	28679	CG15015	11.34349367	0.041815	271.278098
4	G19	29345	CG30340	16.88877667	0.042985667	392.8932125
4	G20	28682	CG14519	12.23714	0.040019	305.783253
4	G21	29517	CG31125	12.45257667	0.047534	261.971992
4	G22	28732	CG14659	12.37587333	0.039762	311.2487635
4	G23	29533	CG31151	16.45701333	0.047174	348.8577041
4	G24	28734	CG14826	11.39175333	0.038375	296.8535071
4	H01	27920	CG15418	9.503348333	0.070126333	135.5175422
4	H02	22828	CG5966	10.66768867	0.067961667	156.9662604
4	H03	27940	CG32505	10.32177667	0.083048333	124.2863794
4	H04	22835	CG5849	10.09762967	0.057776333	174.7710366
4	H05	27927	CG7340	8.945517333	0.053491667	167.2319801
4	H06	22845	CG5794	10.620546	0.055603333	191.0055632
4	H07	27918	CG33110	9.666854667	0.057025667	169.517609
4	H08	22846	CG5824	5.489673333	0.056471	97.21225644
4	H09	27922	CG15364	10.53558267	0.050996667	206.5935551
4	H10	22848	CG5877	10.249166	0.051413333	199.3484051
4	H11	27926	CG4412	4.866218333	0.043593	111.6284342
4	H12	22839	CG5410,CG5933	10.217435	0.052579333	194.3241641
4	H13	27887	CG15470	8.360914333	0.055698667	150.1097752
4	H14	22838	CG5896	10.65592033	0.055303	192.6825006
4	H15	27924	CG17648	9.494027667	0.046147667	205.7314779
4	H16	22868	CG5757	8.700337667	0.059271667	146.7874645
4	H17	22843	CG5670	10.68799	0.042212333	253.1959064
4	H18	28488	CG40306	12.18567667	0.039212333	310.7613251
4	H19	22837	CG4942	11.61617067	0.042956333	270.4181145
4	H20	28494	CG12754	11.31061667	0.045906	246.3864564
4	H21	22817	CG4963	10.96740267	0.041842	262.1146854
4	H22	28495	CG12843	10.85311733	0.039503333	274.7392794
4	H23	22854	CG5626	11.60728333	0.045423667	255.533826
4	H24	28482	CG12590	10.70233567	0.041140333	260.1421719
4	I01	29353	CG30264	12.92451667	0.057664333	224.1336355
4	I02	28722	CG14768	13.85208667	0.052571667	263.4895856
4	I03	29304	CG30429	11.10993333	0.055654333	199.6238688
4	I04	28681	CG14471	13.50482667	0.054063333	249.7964116
4	I05	29355	CG30290	11.67611667	0.056564333	206.4218913

4	I06	28688	CG14283	12.89107333	0.053872	239.290788
4	I07	29358	CG30356	13.92158333	0.050667667	274.7626692
4	I08	28695	CG14591	11.99118	0.055642	215.5059128
4	I09	29360	CG30380	13.61675333	0.049931	272.7114084
4	I10	28697	CG14693	13.60109667	0.045737667	297.3718962
4	I11	29350	CG30398	12.16917367	0.047245	257.5759057
4	I12	28699	CG14847	8.387188333	0.057879333	144.908171
4	I13	29354	CG30280	12.05800667	0.050026667	241.0315832
4	I14	28689	CG14910	12.671094	0.054472333	232.6152236
4	I15	29356	CG30329	12.39126267	0.050024667	247.7030532
4	I16	28690	CG14977	9.697672333	0.048313	200.7259399
4	I17	29351	CG30421	11.13143067	0.039169667	284.1849731
4	I18	28691	CG15017	9.602614667	0.046959	204.4893347
4	I19	29357	CG30342	8.900951	0.05379	165.4759435
4	I20	28694	CG33203	11.14107367	0.048337667	230.4843083
4	I21	29529	CG31126	13.80169333	0.052062667	265.0977028
4	I22	28696	CG14652	10.56735933	0.040619667	260.1537679
4	I23	29545	CG31152	11.17060467	0.046232667	241.6171394
4	I24	28698	CG14745	10.00542967	0.045150333	221.6025648
4	J01	27932	CG32647	8.982020667	0.083949333	106.9933531
4	J02	22840	CG5976	8.882423	0.073439333	120.9491235
4	J03	27937	CG2151,CG32715	5.946554333	0.086193667	68.99061803
4	J04	22892	CG5772	10.11073733	0.068570667	147.4498911
4	J05	27939	CG7933	11.00032333	0.060797667	180.9333143
4	J06	22857	CG5798	6.968146	0.061053333	114.132114
4	J07	27930	CG8881	8.903931	0.06379	139.5819251
4	J08	22858	CG5826	9.945516667	0.059922	165.9743778
4	J09	27888	CG17105	10.24138233	0.060404	169.5480818
4	J10	22860	CG5880	7.637858	0.046663333	163.6800771
4	J11	27938	CG5163	6.690832667	0.031212	214.367316
4	J12	22851	CG5946	9.042701	0.058413333	154.8054268
4	J13	27899	CG15709	10.31147367	0.051687	199.4983974
4	J14	22850	CG5899	9.927469	0.050353	197.1574484
4	J15	27931	CG13000	9.139307	0.044577	205.0229266
4	J16	28456	CG12537	11.12848133	0.048158667	231.0795149
4	J17	22855	CG5682	9.574815333	0.045484667	210.5064417
4	J18	28499	CG12502	11.82935333	0.045877667	257.8455748
4	J19	22849	CG4947	10.280351	0.048344	212.6499876
4	J20	28506	CG12765	11.110183	0.054883667	202.4315006
4	J21	22889	CG4988	9.748196333	0.055742667	174.8785431
4	J22	28507	CG12848	10.47490167	0.039489667	265.256776
4	J23	22866	CG5641	9.500929333	0.043057667	220.6559265
4	J24	28504	CG40444	10.65293767	0.041575333	256.2321649
4	K02	28692	CG1442	12.42491467	0.063069333	197.004059
4	K03	29359	CG33087	14.60189667	0.05941	245.7817988
4	K04	28728	CG14459	10.357897	0.051204	202.2868721
4	K05	29367	CG30291	10.20540267	0.042310333	241.2035515
4	K06	28700	CG14291	12.291212	0.05687	216.1282223
4	K07	29370	CG30357	9.362504333	0.060957333	153.5911074
4	K08	28707	CG33131	14.89680667	0.059351667	250.9922215
4	K09	29372	CG30381	12.63133333	0.057152	221.0129713
4	K1	29365	CG30265	13.51915667	0.059387333	227.6437736
4	K10	28709	CG14704	15.36330333	0.053938333	284.8308871
4	K11	29362	CG30403	13.19677333	0.051137333	258.0653404

4	K12	28711	CG14852	11.065509	0.058889	187.9045153
4	K13	29366	CG30282	14.39370333	0.059290667	242.7650783
4	K14	28701	CG14928	13.423968	0.057081	235.1740159
4	K15	29368	CG30332	12.36809	0.059361667	208.3514614
4	K16	28702	CG14979	10.99565	0.051523667	213.4096952
4	K17	29363	CG30422	11.561166	0.055306667	209.0374759
4	K18	28703	CG15021	12.71160233	0.057653667	220.4821145
4	K19	29364	CG30436	15.88566333	0.055011	288.7724879
4	K20	28706	CG14536	10.60808333	0.057227	185.3685032
4	K21	29541	CG31127	13.11670667	0.055299	237.1960916
4	K22	28708	CG14657	11.44012467	0.048659	235.1080924
4	K23	29565	CG31133	11.53013467	0.056025	205.8033854
4	K24	27905	CG14500	10.81829667	0.053631333	201.7159745
4	L01	27944	CG16995	14.99875333	0.077131333	194.4573325
4	L02	22852	CG5987	12.71561667	0.070443	180.5093007
4	L03	27949	CG4038	9.738739	0.076470667	127.3526102
4	L04	22859	CG5853	12.97578667	0.065625	197.726273
4	L05	27951	CG8050	10.976188	0.066045667	166.1908881
4	L06	22869	CG5800	10.317257	0.066289333	155.6397761
4	L07	27959	CG16873	12.44259567	0.054683333	227.5390856
4	L08	22870	CG5838	5.684397333	0.075984	74.81045132
4	L09	27946	CG15367	13.46055333	0.065766333	204.6724008
4	L10	22872	CG5885	8.098499667	0.069692	116.2041506
4	L11	27950	CG5338	3.192969333	0.050191667	63.61552715
4	L12	22863	CG33162	11.22872667	0.060755333	184.8187813
4	L13	27971	CG16996	12.42236333	0.056641333	219.3162237
4	L14	22888	CG6017	11.410486	0.069144333	165.0241668
4	L15	27943	CG13748	11.303158	0.053011333	213.2215375
4	L16	28468	CG12538	9.137436	0.055305	165.2189856
4	L17	22867	CG5684	8.688235333	0.069220667	125.5150485
4	L18	28511	CG12508	8.361188	0.047987	174.2386063
4	L19	22877	CG4980	10.86965833	0.061249667	177.4647753
4	L20	28517	CG12775	1.194747333	0.035051667	34.08532167
4	L21	22841	CG4972	9.753913	0.047265667	206.3635973
4	L22	28518	CG12853	10.10278767	0.051383333	196.6160428
4	L23	22878	CG5645	10.42162567	0.051134667	203.8074431
4	L24	28538	CG12560	12.043563	0.043647333	275.9289533
4	M01	29377	CG30267	13.16828	0.056769667	231.9597907
4	M02	28704	CG14453	9.196568333	0.052193667	176.2008481
4	M03	29371	CG30369	9.456303	0.051520333	183.5450663
4	M04	28705	CG14483	9.565246	0.053274667	179.5458629
4	M05	29379	CG30293	9.958965	0.052719	188.9065612
4	M06	28712	CG14298	9.176132	0.054683333	167.8049131
4	M07	29382	CG30358	10.17418633	0.051915667	195.9752612
4	M08	28719	CG14593	12.993354	0.055177333	235.483544
4	M09	29384	CG30384	10.07479267	0.054406	185.1779706
4	M10	28721	CG14713	8.627820667	0.052062667	165.7199145
4	M11	29374	CG30409	10.82229233	0.047374667	228.4404956
4	M12	28723	CG14865	10.49573	0.056590667	185.4675094
4	M13	29378	CG30283	10.97218333	0.055856	196.4369689
4	M14	28713	CG32953	9.431995333	0.040898	230.6224102
4	M15	29380	CG30334	11.13884833	0.051450667	216.4957046
4	M16	28714	CG14980	11.881264	0.050588667	234.8601927
4	M17	29375	CG30424	10.14672833	0.046567333	217.8936952

4	M18	28715	CG15024	9.398380667	0.045137667	208.2159172
4	M19	29381	CG30345	8.466286	0.045492	186.1049415
4	M20	28718	CG14545	9.602797333	0.040898333	234.7967888
4	M21	29553	CG31128	9.775793	0.036638333	266.8187145
4	M22	28720	CG14658	10.135098	0.036841	275.1037703
4	M23	29577	CG31134	7.364203667	0.036109667	203.9399514
4	M24	27917	CG14509	10.554111	0.044917	234.9691876
4	N01	27956	CG1288	11.02767233	0.070410333	156.6200842
4	N02	22880	CG5765	11.34553433	0.065228667	173.9347884
4	N03	27961	CG4760	8.64726	0.102765333	84.14569115
4	N04	22871	CG5855	9.440936	0.064681333	145.9607512
4	N05	27953	CG14673	12.52225667	0.063171333	198.2268856
4	N06	22881	CG5802	7.949471667	0.062546	127.0980025
4	N07	27954	CG9662	8.294342333	0.058284667	142.3074508
4	N08	22882	CG31343	10.01169133	0.049234333	203.3477587
4	N09	27958	CG15449	10.313753	0.058767667	175.5004679
4	N10	22884	CG5888	9.053816667	0.053488	169.2681848
4	N11	27929	CG14610	8.890807333	0.044741	198.7172243
4	N12	22875	CG5955	11.503983	0.052766333	218.0174796
4	N13	27957	CG15083	8.970698	0.049556333	181.0202127
4	N14	22874	CG5903	8.831308333	0.050207667	175.8956136
4	N15	27955	CG13859	8.408701667	0.051371667	163.6836453
4	N16	28528	CG1263	1.145322	0.041579667	27.54524247
4	N17	22879	CG5692	12.23045033	0.049030667	249.444912
4	N18	28522	CG12509	7.703189	0.047275	162.9442411
4	N19	22873	CG4949	9.369405	0.051545667	181.7690139
4	N20	28529	CG12792	2.624712	0.039946333	65.70595549
4	N21	22853	CG4975	10.482689	0.041344667	253.5439234
4	N22	28530	CG12854	9.636790333	0.050077333	192.438169
4	N23	22890	CG5646	9.780016667	0.047060333	207.8186867
4	N24	28516	CG12617	8.794092333	0.039554	222.3313024
4	O01	29389	CG30268	13.33574667	0.053886333	247.4792
4	O02	28716	CG14454	11.10131667	0.055786667	198.9958772
4	O03	29383	CG30371	12.70595333	0.055524	228.8371395
4	O04	28717	CG14488	9.223522667	0.047414	194.5316292
4	O05	29391	CG30320	8.839338667	0.049498333	178.5785111
4	O06	28724	CG14303	11.63697033	0.054104	215.0852124
4	O07	29394	CG30360	12.14105467	0.053035	228.925326
4	O08	28731	CG14636	11.05444233	0.054130667	204.2177386
4	O09	29396	CG30385	13.29246333	0.053021667	250.6987081
4	O10	28733	CG14717	12.44772667	0.048339667	257.5054303
4	O11	29386	CG30411	13.304392	0.043951667	302.7050624
4	O12	28735	CG14867	12.54925033	0.056035	223.9537848
4	O13	29316	CG30430	13.01178	0.049385	263.4763592
4	O14	28725	CG14935	12.06613	0.037734	319.7681136
4	O15	29328	CG30431	13.25752	0.040444667	327.7940231
4	O16	28726	CG14989	11.76588	0.038631667	304.5656845
4	O17	29387	CG30428	12.46804667	0.044582667	279.6613033
4	O18	28727	CG1506	11.94985333	0.043728667	273.2727578
4	O19	29395	CG30372	13.49054	0.039038	345.5745684
4	O20	28730	CG14547	12.20442333	0.040713	299.7672324
4	O21		wt	56.11517333	0.038515333	1456.95671
4	O22		HFA17794	1.301166333	0.014001667	92.92938936
4	O23		hpo	39.9511	0.032981333	1211.324588

4	O24		Luc	1.902852667	0.040289667	47.22929783
4	P01	27968	CG1638	13.46526167	0.079061	170.3148413
4	P02	22876	CG6015	3.689887667	0.120806667	30.54374207
4	P03	27973	CG1403	10.85170867	0.063985	169.5976974
4	P04	22883	CG5857	7.527266667	0.056404333	133.4519215
4	P05	27975	CG8534	11.19813333	0.049826667	224.7417715
4	P06	22893	CG5809	7.140646	0.052818667	135.1917125
4	P07	27966	CG11085	9.233821667	0.055244	167.1461456
4	P08	22894	CG5840	11.42391667	0.055484667	205.8932197
4	P09	27970	CG15465	9.900701	0.049463333	200.1624301
4	P10	22896	CG5889	9.108675667	0.049055667	185.6803971
4	P11	27941	CG14628	11.62124667	0.04708	246.8404135
4	P12	22895	CG5859	20.42539333	0.073121	279.3368982
4	P13	27900	CG32828	9.805964333	0.039125667	250.6274057
4	P14	22886	CG5904	9.348854667	0.04466	209.3339603
4	P15	27948	CG17770	9.144750333	0.046190667	197.9783145
4	P16	28492	CG12551	10.82333933	0.040071333	270.1018018
4	P17	22865	CG4979	10.66378033	0.046031333	231.6635118
4	P18	28534	CG12522	8.622165667	0.036768	234.5018948
4	P19	22885	CG4953	7.857373667	0.036047	217.9758001
4	P20	28539	CG12806	10.30809033	0.040999	251.4229697
4	P21		wts	51.59778667	0.035411667	1457.084388
4	P22		HFA17794	1.004786333	0.011595	86.65686359
4	P23		hpo	33.23287333	0.031245667	1063.599432
4	P24		Luc	1.833591667	0.042787667	42.85327548
5	A01		DIAP1	0.511082333	0.005922667	86.29260468
5	A02		ex/ft	49.20393333	0.052536333	936.5696121
5	A03		Luc	1.62639	0.055911333	29.08873574
5	A04		hpo	41.52448333	0.043153	962.2617972
5	A05	28461	CG12859	13.10255	0.056760667	230.8385502
5	A06	25198	CG15651	13.18500333	0.058063667	227.0783795
5	A07	28463	CG1295	14.75437333	0.070492333	209.3046525
5	A08	25200	CG15739	12.49538667	0.056928	219.4945662
5	A09	28455	CG13176	13.91493333	0.062761333	221.7118821
5	A10	28357	CG3800	9.997323667	0.048455	206.3218175
5	A11	28462	CG12904	13.92019	0.052889333	263.194658
5	A12	28366	CG12207	11.99785333	0.053414	224.6200122
5	A13	25205	CG14870	14.27207667	0.052628667	271.1844622
5	A14	28367	CG12251	14.82283333	0.053486	277.1348266
5	A15	25204	CG14798	20.85195	0.075140333	277.506754
5	A16	28363	CG11924	14.48263333	0.050881	284.6373564
5	A17	25201	CG14687	14.45512	0.047880333	301.9009893
5	A18	28368	CG12310	12.6035	0.041216333	305.7889672
5	A19	25203	CG14744	15.46869	0.054993333	281.283004
5	A20	28361	CG11785	14.24091667	0.047459667	300.0635627
5	A21	25207	CG15551	12.98616833	0.044244667	293.5081064
5	A22	28362	CG11877	14.48633	0.046664333	310.436879
5	A23	25206	CG15523	13.83961667	0.044278667	312.5572134
5	A24	28377	CG12110	13.06201633	0.041099667	317.8131939
5	B01		DIAP1	0.573839	0.011512667	49.84414268
5	B02		ex/ft	50.29213	0.061502667	817.7227546
5	B03		Luc	1.913920333	0.063193667	30.28658463
5	B04		hpo	39.74807333	0.057379667	692.720534
5	B05	28419	CG40368	10.98683933	0.062441333	175.954592

5	B06	28261	CG10703	10.30377167	0.058892667	174.9584838
5	B07	23383	CG4545	11.336274	0.062682	180.8537379
5	B08	28265	CG10756	9.247779667	0.04985	185.5121297
5	B09	23384	CG4567	12.19342	0.063915667	190.7735714
5	B10	28266	CG10845	12.59878	0.067779	185.8802874
5	B11	23386	CG4607	13.30688667	0.059416333	223.9600783
5	B12	28269	CG1109	28.7141	0.064013	448.5666974
5	B13	23387	CG4627	15.07532333	0.064369667	234.1991828
5	B14	28271	CG1138	11.775539	0.054191333	217.2956131
5	B15	23385	CG4586	14.43802333	0.055818	258.6624984
5	B16	28272	CG11456	13.45590333	0.051859	259.4709372
5	B17	23388	CG4665	11.30825533	0.044121667	256.2971027
5	B18	28262	CG11490	10.97926333	0.040741667	269.4848844
5	B19	23379	CG4743	13.39004667	0.057611667	232.4190124
5	B20	28268	CG11025	12.70906667	0.049877667	254.8047556
5	B21	23393	CG4451	15.28040667	0.048135333	317.446782
5	B22	28270	CG1126	12.04298	0.046401	259.5413892
5	B23	23390	CG4704	14.09723	0.044131	319.4405293
5	B24	28263	CG11601	13.05813667	0.045346	287.9666711
5	C01	28454	CG13121	9.453147333	0.054114333	174.688419
5	C02	25208	CG15618	10.840126	0.046157667	234.8499563
5	C03	28453	CG13039	14.34013	0.050252333	285.3624707
5	C04	25199	CG15710	10.99953567	0.050809333	216.4865182
5	C05	28473	CG12861	12.63291333	0.048114667	262.5584714
5	C06	25210	CG15655	13.31265	0.050538333	263.4168783
5	C07	28475	CG12954	10.43928033	0.045473667	229.5675959
5	C08	25212	CG15743	16.48161	0.047497667	346.9983087
5	C09	28467	CG13178	14.38225667	0.05165	278.4560826
5	C10	28369	CG11719	14.14751333	0.058682333	241.0864144
5	C11	28536	CG1317	12.69431333	0.053125	238.9517804
5	C12	28378	CG33183	9.613828667	0.045202667	212.6827768
5	C13	25217	CG14877	14.17368	0.049379333	287.036682
5	C14	28379	CG12261	13.33986667	0.038231333	348.9249656
5	C15	25216	CG14805	14.97353667	0.043290333	345.8863796
5	C16	28376	CG12012	15.54669	0.040167	387.0513108
5	C17	25213	CG14688	16.38159333	0.046249333	354.2017182
5	C18	28380	CG12314	14.88166667	0.037903	392.6250341
5	C19	25215	CG14749	13.81078667	0.042833	322.4333263
5	C20	28373	CG11824	10.67594733	0.041320667	258.3682257
5	C21	25219	CG15556	15.36464	0.038685333	397.1696422
5	C22	28374	CG33091	13.41844333	0.038066333	352.5015981
5	C23	25257	CG14672	13.724813	0.040776333	336.5877184
5	C24	28389	CG12134	14.63035333	0.034860333	419.6848376
5	D01	28358	CG12352	18.426943	0.102674333	179.4698091
5	D02	23392	CG4780	10.89107333	0.065063	167.3927322
5	D03	28359	CG12408	14.67484	0.067859667	216.2527569
5	D04	23451	CG4770	10.789414	0.058116333	185.6520083
5	D05	28431	CG40302,CG40306	11.42444	0.056387	202.6076933
5	D06	28273	CG10711	9.370266333	0.117780667	79.5569137
5	D07	23395	CG4552	10.89605	0.056788333	191.8712764
5	D08	28277	CG10757	12.67907667	0.045716333	277.3423795
5	D09	23396	CG4568	12.01079333	0.048993	245.1532532
5	D10	28278	CG10847	12.97518	0.040646333	319.221414
5	D11	23425	CG4415	11.78175333	0.044648667	263.8769355

5	D12	28281	CG11100	5.096458667	0.118787667	42.90393784
5	D13	23399	CG4630	11.978458	0.045981	260.5088624
5	D14	28283	CG11400	10.32240467	0.042637667	242.0959089
5	D15	23397	CG4587	16.27361333	0.043717	372.2490869
5	D16	28284	CG11458	14.55630667	0.041504	350.7205731
5	D17	23400	CG4666	13.82114	0.050581333	273.2458615
5	D18	28274	CG11494	9.897866333	0.033091667	299.1044976
5	D19	23391	CG4749	14.01911	0.037254	376.311537
5	D20	28280	CG1104	11.84271	0.032968333	359.214701
5	D21	23405	CG4459	10.59391867	0.041901667	252.8280975
5	D22	28354	CG11377	10.15603767	0.039115	259.6456006
5	D23	23402	CG4715	14.37946333	0.039994333	359.5375178
5	D24	28347	CG11624	13.18696	0.030758	428.7326874
5	E01	28466	CG13123	16.20147	0.059014	274.5360423
5	E02	25220	CG31933	15.0606	0.057734	260.8618838
5	E03	28465	CG13043	15.32339333	0.068844333	222.580314
5	E04	25267	CG31002	12.60859	0.056323667	223.859538
5	E05	28485	CG12863	12.32664	0.046577	264.6507933
5	E06	25222	CG15658	12.96594333	0.058017333	223.4839588
5	E07	28487	CG12963	12.63385	0.062322333	202.7178593
5	E08	25283	CG15735	11.74068	0.054663333	214.781633
5	E09	28479	CG13192	14.51167	0.056981667	254.672614
5	E10	28381	CG1172	10.99031333	0.051557333	213.1668305
5	E11	28486	CG12910	15.50631667	0.055548	279.1516646
5	E12	28390	CG12209	15.68179333	0.05498	285.2272341
5	E13	25229	CG14881	13.79255	0.048630333	283.6203056
5	E14	28391	CG12264	13.99325667	0.045170333	309.7886518
5	E15	25228	CG14815	15.21889333	0.053327333	285.386356
5	E16	28388	CG12034	16.34427	0.052783333	309.6483107
5	E17	25225	CG14690	13.89682333	0.050944333	272.7844772
5	E18	28411	CG12051	20.42824333	0.053239333	383.7058441
5	E19	25227	CG14760	16.20378667	0.051171333	316.6575036
5	E20	28385	CG11825	14.56684	0.046151667	315.6297714
5	E21	25231	CG1470,CG31006	11.95678667	0.047064	254.0537708
5	E22	28447	CG12104	15.35532	0.043155333	355.8151175
5	E23	25230	CG15531	15.22933667	0.043304667	351.6788799
5	E24	28401	CG1214	15.75937333	0.046376333	339.8149918
5	F01	28370	CG12358	15.03955667	0.061581667	244.2213321
5	F02	23404	CG4781	15.0024	0.060593667	247.5902322
5	F03	28372	CG12444	11.358996	0.057116	198.8759017
5	F04	23463	CG4772	16.98318333	0.069163	245.5530173
5	F05	28441	CG33134	13.55107	0.054463	248.8124048
5	F06	28285	CG10730	13.61552333	0.062094667	219.2704151
5	F07	23407	CG4554	9.231581333	0.058029333	159.0847388
5	F08	28289	CG10805	7.195124333	0.067344667	106.8402992
5	F09	23408	CG4570	14.71720667	0.055680333	264.3160661
5	F10	28290	CG10855	14.04408	0.048455	289.8375813
5	F11	23410	CG4611	14.98338333	0.043180667	346.9928672
5	F12	28293	CG11163	13.52229	0.050177333	269.4900088
5	F13	23411	CG4637	15.27298333	0.050607333	301.793877
5	F14	28295	CG11401	13.72379	0.050477667	271.8784545
5	F15	23409	CG4590	15.21282667	0.043433667	350.2542575
5	F16	28296	CG11459	16.06192667	0.052177	307.8353809
5	F17	23412	CG4670	14.56571667	0.049345	295.1812071

5	F18	28286	CG1152	14.67726333	0.045631	321.6511436
5	F19	23403	CG4751	21.10855	0.042076	501.6767278
5	F20	28292	CG11043	15.14141333	0.044559667	339.8008663
5	F21	23417	CG32041	14.83499333	0.048076	308.573786
5	F22	28294	CG1130	14.62133333	0.045191	323.5452487
5	F23	23414	CG4721	16.64564	0.040247667	413.580249
5	F24	28287	CG11608	13.78367	0.040122333	343.5410868
5	G01	28478	CG13124	13.28865667	0.059562667	223.1037898
5	G02	25232	CG15623	14.05420667	0.054018333	260.1747555
5	G03	28477	CG13047	12.85617	0.056771333	226.455312
5	G04	25223	CG15725	15.34382	0.048469333	316.5675891
5	G05	28496	CG12864	10.73110333	0.065226667	164.520186
5	G06	25234	CG15661	15.66592667	0.073539	213.0288237
5	G07	28498	CG1298	13.51041	0.052827333	255.7465832
5	G08	25236	CG15747	13.82655	0.062332667	221.8186826
5	G09	28491	CG1320	13.62097	0.055030667	247.5159911
5	G10	28393	CG11720	12.56816333	0.048336667	260.0130336
5	G11	28497	CG12919	19.02425	0.065111333	292.1803168
5	G12	28402	CG1221	15.67472	0.049429	317.1158632
5	G13	25241	CG14891	16.36208667	0.049890333	327.9610613
5	G14	28403	CG12274	15.25613333	0.048207333	316.4691402
5	G15	25240	CG14820	14.36819667	0.049413333	290.7757016
5	G16	28399	CG11958	17.38313667	0.043068667	403.6144606
5	G17	25237	CG14692	17.75942333	0.045809667	387.6785104
5	G18	28404	CG12325	10.42380367	0.047805	218.048398
5	G19	25239	CG14762	14.14888333	0.041395667	341.7962428
5	G20	28423	CG12055	14.09507333	0.039300333	358.6502235
5	G21	25243	CG31004	14.52602333	0.038985333	372.6022607
5	G22	28398	CG11893	15.43802	0.041693	370.278464
5	G23	25242	CG15533	15.60109	0.042079667	370.7512734
5	G24	28412	CG12147	15.42193667	0.038736	398.1293026
5	H01	28382	CG12370	17.06505667	0.059558333	286.5267665
5	H02	23416	CG4784	13.48397333	0.057615667	234.0331044
5	H03	28384	CG40197	13.61202333	0.059267333	229.671601
5	H04	28267	CG10922	9.921625333	0.051808333	191.50636
5	H05	28442	CG12427	14.2401	0.054364667	261.9366746
5	H06	28297	CG10733	14.63721333	0.065778667	222.5221956
5	H07	23419	CG4556	13.84708667	0.048148	287.5942234
5	H08	28301	CG10808	14.27716	0.053237333	268.1794731
5	H09	23420	CG4572	15.18237	0.048844333	310.831758
5	H10	28302	CG10861	13.1233	0.043566667	301.2234124
5	H11	23422	CG4613	20.49623667	0.053592333	382.4471784
5	H12	28305	CG11165,CG30378	15.95626333	0.041323333	386.1320481
5	H13	23423	CG4641	14.68785333	0.052107	281.8786983
5	H14	28307	CG1141	11.614091	0.041514333	279.7609902
5	H15	23421	CG4591	14.20517667	0.042193	336.6714068
5	H16	28308	CG1146	16.67156333	0.048338	344.8955963
5	H17	23449	CG4433	14.43178	0.045742	315.5039133
5	H18	28298	CG11529	13.57524667	0.039388	344.6543787
5	H19	23415	CG4752	14.01093333	0.038786667	361.2306635
5	H20	28304	CG11052	13.57074	0.033182	408.9789645
5	H21	23429	CG4463	15.47237667	0.037146	416.5287424
5	H22	28306	CG11308	15.95131667	0.043866	363.6373653
5	H23	23426	CG4722	16.71356333	0.038529	433.7917759

5	H24	28299	CG1161	14.60690667	0.039675333	368.160906
5	I01	28490	CG13130	16.35712	0.060619667	269.8319027
5	I02	25244	CG15624	13.31572	0.074741333	178.1573783
5	I03	28489	CG13061	17.18873333	0.056219	305.7459815
5	I04	25292	CG15643	13.96602667	0.063946	218.4034446
5	I05	28508	CG12866	16.19487333	0.054389667	297.7564366
5	I06	25246	CG15666	15.22718	0.058942667	258.3388377
5	I07	28510	CG12982	16.00813	0.061305667	261.1199073
5	I08	25248	CG15749	8.966729333	0.048139667	186.264882
5	I09	28502	CG13202	15.42831667	0.061818667	249.5737533
5	I10	28405	CG11726	13.66899	0.056141333	243.4746236
5	I11	28509	CG12921	16.32591333	0.051777667	315.3080157
5	I12	28413	CG12220	12.63308667	0.055767333	226.5320199
5	I13	25253	CG14892	18.46028	0.051576	357.9238405
5	I14	28414	CG12279	15.95244	0.058309	273.5845238
5	I15	25252	CG14825	14.24569667	0.057327	248.4989039
5	I16	28410	CG11984	11.2952	0.050391333	224.1496554
5	I17	25262	CG14731	15.42435667	0.046347	332.8016197
5	I18	28415	CG12334	13.27893667	0.041981333	316.3057391
5	I19	25233	CG14666,CG31543	14.71121667	0.057741333	254.7779176
5	I20	28408	CG11833	14.13673667	0.046911667	301.3479945
5	I21	25214	CG14722	14.82749333	0.053168333	278.8782797
5	I22	28409	CG11896	13.98040333	0.042742333	327.0856372
5	I23	25269	CG14680	17.04125333	0.041065667	414.9756893
5	I24	28424	CG12187	15.91858	0.044291667	359.4034995
5	J01	28394	CG12373	17.17946	0.061516667	279.2651314
5	J02	23428	CG4786	17.24531667	0.067752333	254.5346532
5	J03	28395	CG12418	13.22105667	0.071373	185.2389092
5	J04	28327	CG10981	16.51372333	0.059061333	279.6029551
5	J05	23406	CG4496	17.81232333	0.059063333	301.5800553
5	J06	28309	CG10746	14.76328667	0.060933	242.2872116
5	J07	23431	CG4557	14.58210333	0.069542667	209.6857085
5	J08	28313	CG10810	15.75578	0.054897667	287.0027263
5	J09	23432	CG4576	18.22567667	0.054296333	335.6704873
5	J10	28314	CG33128	15.01562	0.057613	260.6290247
5	J11	23434	CG4618	15.58234	0.049554	314.4517092
5	J12	28317	CG11208	14.26340333	0.054360333	262.3862375
5	J13	23435	CG4647	17.45171	0.055715	313.2318047
5	J14	28319	CG11422	14.34440333	0.050535333	283.8489901
5	J15	23433	CG4593	13.17659333	0.060514667	217.7421452
5	J16	28320	CG11466	16.39423667	0.055893667	293.3111682
5	J17	23436	CG4683	14.47095333	0.045167667	320.3830174
5	J18	28310	CG33160	15.82423667	0.046038667	343.716224
5	J19	23466	CG4539	9.912237333	0.055000333	180.2214047
5	J20	28316	CG11059	14.17173667	0.043587	325.1367763
5	J21	23441	CG4465	16.30123333	0.048521333	335.9601275
5	J22	28318	CG11309	14.80114	0.051725333	286.1487601
5	J23	23438	CG4725	13.61430667	0.037252667	365.4585801
5	J24	28311	CG11617	15.16454333	0.043586333	347.9196843
5	K02	25255	CG15561	16.42524	0.068299	240.4901975
5	K03	28535	CG1308	15.25723333	0.060117333	253.79092
5	K04	25247	CG15729	11.11798	0.071351667	155.8194856
5	K05	28519	CG12870	11.823867	0.070017667	168.8697662
5	K06	25258	CG15671	12.87176	0.064318667	200.1247953

5	K07	28521	CG13018	7.805924667	0.060933333	128.1059847
5	K08	25260	CG15764	12.98162667	0.064353667	201.7231859
5	K09	28514	CG13221	14.99299	0.070184	213.6240454
5	K1	28501	CG13142	11.66611	0.067214667	173.5649461
5	K10	28416	CG11765	10.50264133	0.057313	183.2505947
5	K11	28520	CG12938	13.19611	0.052471333	251.4917987
5	K12	28425	CG12224	12.27226333	0.064041	191.6313507
5	K13	25265	CG14893	14.38464667	0.059301667	242.5673253
5	K14	28426	CG1228	14.58275	0.054716333	266.5154829
5	K15	25221	CG14662	13.01471667	0.053782	241.990195
5	K16	28422	CG11985	9.297162333	0.061338667	151.5709884
5	K17	25261	CG14695	13.11012667	0.051951667	252.3523788
5	K18	28427	CG12338	12.48867733	0.047727667	261.6653653
5	K19	25263	CG14780	16.27477667	0.049808333	326.7480676
5	K20	28420	CG11856	3.954323	0.03975	99.4798239
5	K21	25226	CG14724	11.88587333	0.042370667	280.5212726
5	K22	28421	CG11897	12.24126733	0.043322	282.5646861
5	K23	25266	CG31014	13.34660667	0.052826667	252.6490409
5	K24	28436	CG12201	12.04227933	0.043853667	274.6014244
5	L01	28406	CG12374	12.75638333	0.089824667	142.0142574
5	L02	23440	CG4790	14.259224	0.083998	169.7567085
5	L03	28407	CG12419	14.90790333	0.074649	199.7066717
5	L04	28291	CG10973	10.78133267	0.057681667	186.9109076
5	L05	23418	CG4500	11.57332467	0.080366667	144.0065284
5	L06	28321	CG1075	10.89146733	0.067329	161.764876
5	L07	23443	CG4562	13.30608367	0.060604	219.5578455
5	L08	28325	CG10837	10.849589	0.053771	201.773986
5	L09	23444	CG4580	14.11596333	0.060903	231.7777997
5	L10	28326	CG10887	14.3146	0.057090333	250.7359681
5	L11	23446	CG4623	11.15127267	0.054753667	203.6625736
5	L12	28329	CG11211	11.11967267	0.054869333	202.6573314
5	L13	23447	CG4653	12.9626	0.057038333	227.2611986
5	L14	28331	CG11438	7.625499	0.060683	125.6612066
5	L15	23454	CG4536	12.87977333	0.057498333	224.0025508
5	L16	28332	CG1147	13.87287667	0.056204667	246.8278435
5	L17	23448	CG4688	11.89909467	0.047445	250.7976534
5	L18	28322	CG1154	13.36803667	0.047867333	279.2726424
5	L19	23439	CG4764	11.43992	0.046506	245.9880446
5	L20	28328	CG1106	14.78261	0.047640333	310.2961076
5	L21	23453	CG4466	12.70798333	0.054472667	233.2910083
5	L22	28330	CG1131	15.25634333	0.043870667	347.7572714
5	L23	23450	CG4739	12.01241867	0.044728	268.5659691
5	L24	28323	CG11619	12.92055	0.048878	264.3428536
5	M01	28540	CG12855	13.10662	0.051495333	254.5205391
5	M02	25268	CG15627	13.17079	0.059025667	223.1366581
5	M03	28512	CG13076	15.71493	0.065091667	241.4276789
5	M04	25259	CG15730	11.98940933	0.059969333	199.9256731
5	M05	28531	CG12876	11.02037667	0.063749	172.8713653
5	M06	25270	CG15695	9.736481	0.05854	166.3218483
5	M07	28533	CG13030	10.389356	0.057344	181.1759905
5	M08	25284	CG15767	13.57383333	0.056028667	242.2658639
5	M09	28525	CG13223	11.47182767	0.061066667	187.85744
5	M10	28428	CG11779	8.488492333	0.060321667	140.7204542
5	M11	28532	CG1294	11.25817967	0.060729333	185.3828957

5	M12	28437	CG12229	13.01430667	0.055278667	235.4309076
5	M13	25277	CG15485	11.48427333	0.054848333	209.3823574
5	M14	28438	CG12284	0.353094333	0.012271333	28.77391753
5	M15	25276	CG14855	12.07817267	0.038942333	310.1553408
5	M16	28434	CG11987	12.55196333	0.045389667	276.5379051
5	M17	25286	CG14741	14.06584	0.049988333	281.3824559
5	M18	28439	CG12341	11.38224667	0.044165667	257.7170804
5	M19	25275	CG14789	12.19958667	0.04146	294.2495578
5	M20	28432	CG11858	10.06458233	0.043598667	230.8461039
5	M21	25238	CG14728	12.1063	0.041865	289.1747283
5	M22	28433	CG11902	12.64474667	0.035687667	354.3169909
5	M23	25281	CG14683	13.20529667	0.041481667	318.3405521
5	M24	28448	CG12205	12.89596333	0.040075	321.7957164
5	N01	28417	CG12385	16.23366	0.071714667	226.3645744
5	N02	23452	CG4791	10.75881133	0.064299667	167.3229721
5	N03	28418	CG12423	12.54810933	0.060512333	207.3644932
5	N04	28339	CG1101	14.72286667	0.053972	272.7871242
5	N05	23430	CG4521	12.462181	0.051387667	242.5130738
5	N06	28333	CG10750	13.64179333	0.058652667	232.5860717
5	N07	23455	CG32737	10.30310467	0.087174333	118.1896583
5	N08	28337	CG10842	13.34368667	0.059618333	223.8185122
5	N09	23456	CG4582	12.97583667	0.060306	215.1665948
5	N10	28338	CG10888	10.35099833	0.056887333	181.9561179
5	N11	23458	CG4624	11.96919833	0.058154667	205.8166441
5	N12	28341	CG11212	10.47622967	0.044642333	234.670298
5	N13	23437	CG4432	13.33843333	0.052468	254.2203502
5	N14	28343	CG11447	13.19591667	0.046284667	285.103418
5	N15	23457	CG4603	11.75031333	0.053213	220.8165924
5	N16	28344	CG11474	12.09624467	0.051420667	235.2409148
5	N17	23460	CG4694	8.594267333	0.047656333	180.338409
5	N18	28334	CG11597	11.18888867	0.045019667	248.5333521
5	N19	23401	CG32649	12.90385667	0.048224667	267.5779338
5	N20	28351	CG11018	10.93914	0.040707	268.7287199
5	N21	23465	CG4472	13.87598	0.037822667	366.8694257
5	N22	28342	CG11310	13.318652	0.041416	321.582287
5	N23	23462	CG4740	14.87691667	0.046807333	317.8330319
5	N24	28335	CG11622	10.361066	0.040297667	257.1132985
5	O01	28524	CG13160	12.70035	0.076003667	167.1018065
5	O02	25280	CG15639,CG16825	14.82591	0.071824	206.4199989
5	O03	28523	CG13079	11.287959	0.053749333	210.0111443
5	O04	25271	CG15732	12.71752667	0.055821667	227.8242021
5	O05	28541	CG12885	7.955572667	0.051673667	153.957967
5	O06	25282	CG15706	12.44361167	0.055828	222.8919479
5	O07	28543	CG13037	12.2293	0.054193333	225.6605979
5	O08	28400	CG12048	10.29665267	0.052183333	197.3168828
5	O09	28537	CG13239	12.98317333	0.069928	185.6648743
5	O10	28440	CG11781	9.817787667	0.062273333	157.6563698
5	O11	25209	CG14661	10.653625	0.051435	207.1279285
5	O12	28449	CG12240	11.94810667	0.053300667	224.1643006
5	O13	25289	CG15514	12.30835	0.053354333	230.690728
5	O14	28450	CG12307	12.24484667	0.048310667	253.4605194
5	O15	25288	CG14861	12.67093667	0.056943333	222.5183516
5	O16	28446	CG11989	10.09910133	0.043768667	230.7381536
5	O17	25285	CG14708	12.75878	0.047683667	267.5712858

5	O18	28451	CG32848	13.10581	0.055297	237.0076134
5	O19	25245	CG14667	9.053151333	0.053236667	170.0548118
5	O20	28444	CG11865	12.40190667	0.045836333	270.5693446
5	O21	3	wts	63.78082333	0.033675333	1893.992339
5	O22	7	HFA17794	1.443374	0.011680667	123.569488
5	O23	4	hpo	36.84583667	0.036008667	1023.249125
5	O24	8	Luc	1.537739	0.045604667	33.71889573
5	P01	28429	CG12387	13.42556333	0.085340667	157.3173009
5	P02	23464	CG31213	12.04661333	0.079995	150.5920787
5	P03	28430	CG12425	12.4048	0.074751	165.9482816
5	P04	28315	CG10978	9.266349	0.081823667	113.2477849
5	P05	23442	CG4531	8.897864	0.064195333	138.6060877
5	P06	28345	CG10751	10.48158	0.063236667	165.7516209
5	P07	23467	CG4565	13.10403333	0.06414	204.3036067
5	P08	28349	CG10843	9.394013667	0.061409667	152.9728816
5	P09	23468	CG4584	10.98888233	0.058421667	188.0960089
5	P10	28350	CG10899	11.21307	0.057176667	196.1126917
5	P11	23470	CG4625	8.080840667	0.052739	153.223244
5	P12	28353	CG11236	9.732244667	0.064328333	151.2901728
5	P13	23471	CG4661	10.07391333	0.054109333	186.1769997
5	P14	28355	CG11455	12.71357667	0.054817667	231.9248053
5	P15	23469	CG4605	11.06981667	0.052577333	210.5435169
5	P16	28356	CG1148	12.0438	0.057224667	210.465184
5	P17	23472	CG4698	13.13264	0.045885667	286.2035349
5	P18	28346	CG11598	11.84955333	0.049916	237.3898817
5	P19	23413	CG4414	11.95118667	0.048042333	248.7636598
5	P20	28352	CG1108	10.74358667	0.049337667	217.7562782
5	P21		wts	53.58538667	0.033980333	1576.952943
5	P22		HFA17794	1.079039	0.012573	85.82191999
5	P23		hpo	40.60222333	0.041178667	986.0014085
5	P24		Luc	1.732237333	0.055066667	31.45709443
6	A01		DIAP1	0.487165	0.007403	65.80642983
6	A02		ex/ft	43.39520333	0.048884333	887.7118777
6	A03		Luc	1.746336333	0.063888667	27.33405507
6	A04		hpo	36.66511	0.046571	787.2948831
6	A05	22514	CG1616	11.10720667	0.060987333	182.1231731
6	A06	27509	CG7925	14.09879667	0.053547333	263.2959625
6	A07	22519	CG1683	11.92569	0.052226333	228.3463004
6	A08	27500	CG9954	9.395152333	0.055881	168.1278491
6	A09	22515	CG3083	11.44132333	0.056501667	202.4953246
6	A10	27508	CG5323	13.70335667	0.059164	231.6164672
6	A11	22524	CG32701	11.260192	0.064972	173.308379
6	A12	27505	CG6395	12.92606	0.050773667	254.5819683
6	A13	22525	CG3033	11.75131	0.057434667	204.6030852
6	A14	27503	CG17362	11.029972	0.049490333	222.8712408
6	A15	22520	CG1715	11.33721167	0.056736333	199.8227767
6	A16	27499	CG9231	11.62383333	0.054252	214.2563101
6	A17	22521	CG1791	11.75686	0.052802667	222.6565577
6	A18	23094	CG9712	9.793769667	0.181636	53.91976077
6	A19	22522	CG1818	14.06575	0.04458	315.517048
6	A20	23089	CG18358	11.95452333	0.037212333	321.251646
6	A21	22530	CG1657	14.62883333	0.041237	354.7501839
6	A22	23096	CG9849	13.15136333	0.047255333	278.3043184
6	A23	22600	CG3234	14.20867333	0.046470667	305.7557456

6	A24	23093	CG9676	12.661659	0.052161333	242.7403249
6	B01		DIAP1	0.610794	0.009286333	65.77343049
6	B02		ex/ft	50.74256667	0.056167	903.4231251
6	B03		Luc	2.356794667	0.063645	37.03031922
6	B04		hpo	36.58033667	0.063563	575.4973281
6	B05	23099	CG9953	12.75277667	0.059206333	215.3954813
6	B06	24726	CG10823	11.49809	0.065667667	175.0951508
6	B07	23100	CG1019	12.94338567	0.068405	189.216953
6	B08	24728	CG10898	14.24892667	0.059309333	240.2476283
6	B09	23091	CG1233	14.70701333	0.063470667	231.7135475
6	B10	24718	CG10920	11.87528033	0.053523333	221.8710905
6	B11	23097	CG9879	12.51626667	0.05176	241.8134982
6	B12	24719	CG10956	12.233688	0.055259667	221.3854831
6	B13	23090	CG1133	9.191661	0.058619333	156.8025509
6	B14	24749	CG10794	13.41299333	0.053103333	252.5828887
6	B15	24723	CG10688	13.30771333	0.054461333	244.3515889
6	B16	27982	CG10869	12.42945	0.047526333	261.5276443
6	B17	24724	CG32410	14.42847667	0.046466667	310.5124103
6	B18	27977	CG1707	9.978612667	0.045491	219.3535571
6	B19	24717	CG15630	15.45334667	0.061909333	249.6125517
6	B20	27987	CG14479,CG33006	12.96469967	0.047518333	272.8357406
6	B21	24725	CG10778	9.177193667	0.051814	177.1180312
6	B22	27986	CG13215	12.92042333	0.054271	238.0723284
6	B23	24733	CG15873	10.90991967	0.041868667	260.5748053
6	B24	27995	CG14752	1.366501333	0.033379	40.93895363
6	C01	28264	CG11630	11.57362	0.048373	239.2578505
6	C02	27506	CG17985	12.71622667	0.049162	258.6596694
6	C03	28348	CG1171	12.18083333	0.04876	249.8120044
6	C04	27516	CG31243	11.17818633	0.052126333	214.4441325
6	C05	22526	CG1624	9.382879667	0.04104	228.6276722
6	C06	27521	CG7931,CG7933	11.67758667	0.055838667	209.1308293
6	C07	22531	CG1688	11.12884333	0.041333667	269.2440384
6	C08	27512	CG10112	14.63244	0.054564333	268.1685839
6	C09	22527	CG3085	11.92596267	0.05323	224.0458889
6	C10	27520	CG5887	8.115105	0.051167	158.6003674
6	C11	22540	CG3165	14.64845333	0.054078	270.8763884
6	C12	27585	CG17284	12.47602667	0.047752667	261.2634547
6	C13	22537	CG3045	9.963405667	0.049996667	199.2813988
6	C14	27548	CG12357	4.951135667	0.039942667	123.956062
6	C15	22532	CG1728	14.55362667	0.040929667	355.5764767
6	C16	27584	CG13969	12.08712	0.043808333	275.9091497
6	C17	22533	CG1792	14.84864333	0.043296667	342.9511895
6	C18	23106	CG9743	10.931805	0.043748333	249.8793478
6	C19	22541	CG3209	12.33578667	0.051792667	238.1763184
6	C20	23167	CG9834	9.991183667	0.035744	279.5205815
6	C21	22606	CG2993	11.79347	0.031349333	376.1952407
6	C22	23108	CG9853	10.52295667	0.035756667	294.2935583
6	C23	27510	CG15321	1.158261	0.067826	17.07694689
6	C24	23105	CG9677	2.115617667	0.033257667	63.61293135
6	D01	23110	CG9921	12.07223033	0.065838333	183.3617244
6	D02	24720	CG32113	6.935104333	0.053347667	129.9982692
6	D03	23092	CG1303	11.42382167	0.055871	204.4678217
6	D04	24727	CG10864	9.288958333	0.058232667	159.5145623
6	D05	23111	CG32171	11.25135167	0.050994667	220.6378118

6	D06	24738	CG10824	10.65503667	0.057066	186.7142724
6	D07	23112	CG1046	11.496097	0.052806333	217.7029965
6	D08	24740	CG31119	10.77734	0.05168	208.5398607
6	D09	23103	CG1240	11.61788	0.049362	235.3608039
6	D10	24730	CG10927	10.892139	0.050103333	217.3935001
6	D11	23109	CG9888	5.445602667	0.04922	110.6380062
6	D12	24731	CG10959	12.24880667	0.051594333	237.4060459
6	D13	23102	CG1139	11.22472767	0.045808333	245.0368055
6	D14	24761	CG10798	12.76303333	0.038621333	330.465891
6	D15	24735	CG10692	12.93259333	0.045582	283.7214983
6	D16	27994	CG11131	12.54472333	0.039600333	316.7832762
6	D17	24736	CG33038	13.305012	0.040336	329.854522
6	D18	27989	CG1746	6.915534333	0.025071667	275.8306588
6	D19	24729	CG15667	10.05374733	0.039569333	254.0792701
6	D20	27999	CG14611	10.22635767	0.037624667	271.7992895
6	D21	24737	CG10793	11.943872	0.038209	312.5931587
6	D22	27998	CG13227	11.58936333	0.037902	305.771815
6	D23	24745	CG16713	11.97991333	0.038388333	312.0717232
6	D24	28007	CG14777,CG32808	1.106827333	0.024679	44.8489539
6	E01	28276	CG1165	15.70975667	0.064618333	243.1160919
6	E02	27518	CG1458	15.37426333	0.066374333	231.629646
6	E03	22523	CG2950	16.38290667	0.062732667	261.1543162
6	E04	27528	CG32692,CG32694	6.628835333	0.049714333	133.338514
6	E05	22538	CG1628	13.03465667	0.048925	266.4211889
6	E06	27532	CG8009	16.42808	0.052698333	311.7381321
6	E07	22543	CG1691	12.26631	0.058103333	211.1119844
6	E08	27524	CG31145	11.13537333	0.050209333	221.7789521
6	E09	22539	CG3104	16.22124667	0.05136	315.834242
6	E10	27531	CG32560	13.91241	0.046765	297.4962044
6	E11	22548	CG3004	10.48588167	0.052773	198.6978505
6	E12	27529	CG8804	12.76936	0.046578667	274.1461041
6	E13	22549	CG3050	14.37040667	0.051002	281.7616303
6	E14	27560	CG12372	20.59229667	0.046328	444.4892218
6	E15	22544	CG1743	10.339577	0.039624333	260.9400873
6	E16	27523	CG9306	12.94920667	0.045190333	286.5481556
6	E17	22587	CG3186	7.780768	0.056330333	138.1274979
6	E18	23118	CG9745	10.67503667	0.044234667	241.3273903
6	E19	22553	CG3215	13.88431667	0.043761333	317.2736205
6	E20	23113	CG9646	13.62323667	0.050094667	271.9498416
6	E21	22554	CG1664	4.375724667	0.020590333	212.513542
6	E22	23095	CG9780	14.30875333	0.041933667	341.2235197
6	E23	27522	CG15322	17.37941	0.041693	416.8423956
6	E24	23117	CG9702	15.24118667	0.041776	364.831163
6	F01	23122	CG9924	17.45350333	0.052930667	329.7427452
6	F02	24809	CG10814	13.83162667	0.061116333	226.3163693
6	F03	23120	CG9855	20.29368667	0.073005333	277.9753991
6	F04	24739	CG10866	13.57286	0.063054	215.2577156
6	F05	23123	CG9977	15.86183	0.06613	239.8583094
6	F06	24750	CG10825	15.25309333	0.063132667	241.6038184
6	F07	23124	CG1056	12.87550333	0.059552	216.2060608
6	F08	24752	CG10903	7.457285333	0.061498333	121.2599583
6	F09	23115	CG32297	13.13093	0.05681	231.1376518
6	F10	24742	CG10931	10.44102133	0.057719333	180.8929648
6	F11	23121	CG9889	13.96451333	0.051257333	272.4393258

6	F12	24743	CG10961	12.98002667	0.059274333	218.9822464
6	F13	23156	CG9864	13.87292	0.053263667	260.4574726
6	F14	24773	CG10801	13.15433	0.046332333	283.9125305
6	F15	24747	CG10693	4.059774	0.046486333	87.3326354
6	F16	28006	CG11500,CG2006	12.20461333	0.048501667	251.6328649
6	F17	24748	CG10742	14.53304333	0.046263333	314.1374018
6	F18	28001	CG2781	13.82851333	0.043193	320.1563525
6	F19	24741	CG30394	15.27691333	0.040112667	380.8501055
6	F20	28011	CG14677	12.33674667	0.041056333	300.4834009
6	F21	24722	CG16747	16.1268	0.040964667	393.6758507
6	F22	28010	CG13535	14.46898333	0.043655333	331.4367851
6	F23	24757	CG16716	12.31935	0.039018	315.7350454
6	F24	28044	CG11084	9.987120333	0.036083333	276.7793164
6	G01	28288	CG11652	20.76844	0.060271667	344.5804828
6	G02	27525	CG12025	13.69776	0.064874667	211.1418941
6	G03	22535	CG2952	15.03410667	0.054485333	275.9294244
6	G04	27530	CG3039	13.43865333	0.059704667	225.0854763
6	G05	22550	CG1629	14.91062333	0.054763	272.2755023
6	G06	27544	CG8511	12.53193667	0.055622667	225.3026943
6	G07	22555	CG1692	15.01797	0.054141	277.3862692
6	G08	27535	CG33005	10.86272733	0.061672667	176.1351977
6	G09	22551	CG3106	18.54949	0.048340667	383.7243315
6	G10	27543	CG6005	16.18863333	0.052202333	310.1132133
6	G11	22560	CG3016	13.49413667	0.049089	274.8912519
6	G12	27540	CG8857	1.693302333	0.039308667	43.07707376
6	G13	22561	CG3056	13.79142	0.053705667	256.7963654
6	G14	27538	CG17622	14.58649	0.045665	319.4238476
6	G15	22564	CG3168	14.35587	0.052842667	271.6719444
6	G16	27534	CG31673	17.04122333	0.047771	356.727373
6	G17	22557	CG1794	17.10767	0.049622667	344.7551522
6	G18	23130	CG9752	18.12702	0.047192	384.1121377
6	G19	22565	CG3225	19.16823333	0.044923333	426.6876901
6	G20	23125	CG9655	17.42681333	0.049218667	354.0691878
6	G21	22566	CG1665	16.74457667	0.044016667	380.4144642
6	G22	23107	CG9791	14.09853333	0.04151	339.6418534
6	G23	27502	CG32635	14.58238667	0.044201333	329.9082984
6	G24	23129	CG9704	16.54911	0.043563667	379.8833125
6	H01	23134	CG9929	16.13050333	0.063982333	252.1087071
6	H02	24744	CG11007	10.93123167	0.065101667	167.9101662
6	H03	23132	CG9858	12.88253333	0.058902333	218.7100681
6	H04	24751	CG31935	9.540328667	0.045492333	209.7128894
6	H05	23135	CG9981	12.249371	0.056136	218.2088321
6	H06	24762	CG10830	13.91805667	0.052159333	266.837319
6	H07	23136	CG1058	13.22624	0.052119	253.7700263
6	H08	24764	CG10909	14.27199333	0.054317333	262.7520988
6	H09	23127	CG1262	15.23679	0.046888	324.9613974
6	H10	24754	CG10932	13.91299667	0.051976667	267.67774
6	H11	23133	CG9890	13.99550333	0.048065	291.1786816
6	H12	24755	CG10970	14.63807667	0.052562333	278.4898565
6	H13	23168	CG9867	15.22603333	0.050520667	301.3822726
6	H14	24785	CG10804	15.20059333	0.051018667	297.9417991
6	H15	24759	CG10698	13.73001	0.048143	285.1922398
6	H16	28018	CG12593	8.883944667	0.055788667	159.2428211
6	H17	24760	CG10748	15.75336	0.04546	346.5323361

6	H18	28043	CG5480	29.18021667	0.047038667	620.3453187
6	H19	24753	CG15727	15.41166667	0.046942667	328.308291
6	H20	28023	CG14952	13.74203	0.042366667	324.3594807
6	H21	24734	CG16761	16.00443667	0.048654	328.9439032
6	H22	28033	CG12688	14.90929333	0.049458333	301.4515922
6	H23	24769	CG16718	14.78016333	0.045802	322.6968982
6	H24	28031	CG15007	25.20024333	0.053122	474.3843103
6	I01	28300	CG11665	16.13324333	0.062029	260.0919462
6	I02	27573	CG17268	10.56251533	0.059704	176.9147014
6	I03	22547	CG2975	12.98398667	0.068646667	189.1422744
6	I04	27542	CG3661	1.579673333	0.043457333	36.34998313
6	I05	22562	CG1631	15.40106	0.060804333	253.2888555
6	I06	27556	CG8622	9.425543	0.058992333	159.7757279
6	I07	22567	CG1696	15.34732333	0.059729667	256.9464085
6	I08	27547	CG10466	12.23086333	0.052042333	235.0175818
6	I09	22563	CG3114	11.91725333	0.065540667	181.8299071
6	I10	27555	CG6058	10.53821633	0.061350667	171.7702008
6	I11	22572	CG3017	12.81730333	0.057893333	221.395152
6	I12	27552	CG10910	12.66391333	0.062634667	202.1869678
6	I13	22573	CG3059	14.84860667	0.065903667	225.3077472
6	I14	27550	CG17724	5.146698333	0.045996333	111.8936654
6	I15	22568	CG1750	11.95710967	0.051017333	234.3734744
6	I16	27546	CG9441	12.71401333	0.060027	211.80491
6	I17	22569	CG1800	12.90428	0.051466333	250.7324529
6	I18	23142	CG9755	13.91219333	0.054769667	254.0127443
6	I19	22570	CG1839	11.58773667	0.053456667	216.7687847
6	I20	23137	CG9663	13.47183	0.044719	301.2551712
6	I21	22577	CG1669	15.07245	0.049507333	304.4488359
6	I22	23119	CG9797	15.34304667	0.041344	371.1069724
6	I23	27545	CG15440	15.40780667	0.046476667	331.5170336
6	I24	23179	CG9841	12.98287333	0.046715667	277.9126203
6	J01	23146	CG9943	10.571694	0.082090667	128.7807059
6	J02	24756	CG11010	12.713186	0.068346	186.0121441
6	J03	23144	CG9862	9.192610667	0.064312333	142.9369794
6	J04	24763	CG31928	12.24428333	0.059010667	207.4927132
6	J05	23147	CG9984	5.097650667	0.049643333	102.6855033
6	J06	24774	CG10852	11.58896333	0.066309667	174.7703452
6	J07	23148	CG1063	11.96299667	0.065937	181.4307091
6	J08	24776	CG10914	13.49386	0.058482	230.735269
6	J09	23139	CG1276	11.364016	0.051882667	219.0329975
6	J10	24766	CG10939	14.16614333	0.054430667	260.2603312
6	J11	23145	CG9891	11.42329333	0.049173333	232.3066703
6	J12	24767	CG10972	14.46469	0.056862333	254.3808731
6	J13	23180	CG9878	12.52165333	0.049795667	251.4607027
6	J14	24797	CG10809	15.42209	0.047354	325.676606
6	J15	24771	CG10699	14.44112	0.051413	280.8846012
6	J16	28030	CG17054,CG3991,CG4007	13.39463333	0.043322	309.1877876
6	J17	24772	CG10749	12.18111333	0.04923	247.4327307
6	J18	28025	CG4877	13.40309333	0.051417333	260.6726655
6	J19	24765	CG15771	13.12981	0.048813	268.9818286
6	J20	28005	CG7336	16.81404333	0.041114667	408.9548742
6	J21	24746	CG16784	12.79980667	0.044119333	290.1178622
6	J22	28034	CG13936	14.04527333	0.042067	333.8786539
6	J23	24781	CG16721	14.78255333	0.046601	317.2153673

6	J24	28042	CG15664	14.70849667	0.042825	343.4558474
6	K02	27553	CG1773	10.95395167	0.07576	144.5875352
6	K03	22528	CG3159	13.90504	0.059265667	234.6221815
6	K04	27563	CG3305	13.87074667	0.081571667	170.0436835
6	K05	22574	CG1633	12.75966	0.062882667	202.9121963
6	K06	27568	CG8844	8.674966333	0.057317667	151.3489093
6	K07	22578	CG1697	12.19847333	0.057891333	210.7132904
6	K08	27559	CG10993	14.36777333	0.060215	238.6078773
6	K09	22575	CG3131	11.811415	0.057248	206.3201335
6	K1	28312	CG11668	14.51264333	0.047126	307.9540664
6	K10	27567	CG6090	1.480823333	0.043293	34.20468282
6	K11	22583	CG3024	7.250810667	0.040909667	177.239544
6	K12	27564	CG18009	9.843435667	0.070829	138.9746526
6	K13	22594	CG2985	16.55914	0.058066333	285.1762639
6	K14	27562	CG17906	12.0901	0.047653667	253.7076545
6	K15	22579	CG1771	12.89219667	0.051291	251.3539737
6	K16	27558	CG9449	13.04906667	0.056508	230.9242349
6	K17	22580	CG1801	12.85035	0.051024	251.8491298
6	K18	23154	CG9766	14.54725333	0.048574	299.4864193
6	K19	22581	CG1841	12.059946	0.054504667	221.2644667
6	K20	23149	CG9667	14.63096333	0.073763333	198.3500836
6	K21	22589	CG1670	14.25627667	0.051918333	274.5904144
6	K22	23131	CG9801	14.91477667	0.047483667	314.1033057
6	K23	27557	CG15550	15.03377667	0.044860667	335.1215616
6	K24	23153	CG9707	13.46802667	0.044042	305.7996155
6	L01	23158	CG9945	16.78702	0.084067	199.6862027
6	L02	24768	CG11012	13.69243	0.081266	168.489036
6	L03	23140	CG1327	16.91341333	0.082539	204.9142022
6	L04	24811	CG32956	13.83475333	0.078096667	177.1490887
6	L05	23159	CG9989	15.75535	0.068121333	231.283641
6	L06	24786	CG32262	11.71594	0.075222333	155.7508187
6	L07	23160	CG1082	12.31401333	0.059740667	206.1244713
6	L08	24788	CG10915	15.68278	0.069353667	226.127626
6	L09	23151	CG1287	14.27540333	0.070876667	201.4118892
6	L10	24778	CG10947	13.562671	0.053586	253.1010152
6	L11	23174	CG1232	15.01742667	0.061534667	244.048233
6	L12	24779	CG10986	15.43294333	0.062021	248.8341583
6	L13	23150	CG1218	16.24044	0.064835	250.4887792
6	L14	27996	CG33008	14.58345	0.048223667	302.4127157
6	L15	24783	CG10699,CG10700	15.70285	0.056422	278.3107653
6	L16	28041	CG31893	11.84417	0.051813667	228.59162
6	L17	24784	CG10754	13.71901667	0.114907333	119.3920028
6	L18	28037	CG4982	11.71872133	0.043907333	266.8966763
6	L19	24794	CG16838	16.48874	0.050942333	323.6746125
6	L20	28017	CG7350	2.593362	0.041227	62.90445582
6	L21	24806	CG16858	15.97521	0.052797	302.5779874
6	L22	28045	CG31062	13.27240667	0.046024	288.3801205
6	L23	24793	CG16728	14.95251667	0.045233667	330.561676
6	L24	28054	CG16707	14.39218333	0.043688667	329.4260144
6	M01	28324	CG1168	13.20455333	0.065475667	201.6711552
6	M02	27565	CG1780	14.29234	0.066648667	214.4429996
6	M03	22571	CG2979	16.61666333	0.062477333	265.9630693
6	M04	27575	CG4766	12.83188667	0.046830667	274.0060644
6	M05	22585	CG1634	11.45567667	0.049088667	233.3670365

6	M06	27580	CG8922	1.989915333	0.043820667	45.41043039
6	M07	22590	CG1698	11.21446	0.055425	202.3357691
6	M08	27571	CG11024	11.46431267	0.064196	178.5829751
6	M09	22586	CG3132	12.27055567	0.054252667	226.1742403
6	M10	27579	CG6494	11.70842	0.052460333	223.1861533
6	M11	22595	CG3027	12.28042	0.062067333	197.856414
6	M12	27576	CG14213	4.471834	0.046235333	96.71897394
6	M13	22596	CG3071	7.190793667	0.049600333	144.9747045
6	M14	27574	CG31358	12.84929	0.042863333	299.7734661
6	M15	22591	CG1774	14.64822667	0.04599	318.5089512
6	M16	27570	CG33085	14.13446667	0.045367333	311.5560389
6	M17	22592	CG1814	11.99417467	0.044955667	266.8000623
6	M18	23166	CG9772	10.096712	0.057748	174.8408949
6	M19	22593	CG2938	15.53149	0.055166333	281.5392842
6	M20	23161	CG9672	10.102502	0.044867333	225.1638609
6	M21	22599	CG3198	10.64512667	0.045054	236.2748406
6	M22	23177	CG9710	13.80060667	0.045009	306.6188244
6	M23	27514	CG16825	16.09951	0.057440333	280.2823219
6	M24	23165	CG9709	14.28841	0.046912	304.578999
6	N01	23170	CG9946	2.879383	0.053361	53.96043927
6	N02	24780	CG11020	12.91863333	0.068783	187.8172417
6	N03	23152	CG1341	1.374555	0.028581667	48.09219196
6	N04	24787	CG33124	12.219851	0.06126	199.475204
6	N05	23171	CG9999	9.573337667	0.054518333	175.598502
6	N06	24798	CG10858	15.87489	0.064905667	244.5840373
6	N07	23172	CG1115	10.808391	0.090273	119.7300522
6	N08	24800	CG10916	13.77198	0.059294667	232.2633851
6	N09	23163	CG1291	12.088	0.052702333	229.3636588
6	N10	24790	CG10950	13.01629333	0.053508333	243.2573119
6	N11	23169	CG9899	15.29462667	0.058355667	262.0932557
6	N12	24791	CG10991	12.458095	0.052853	235.7121639
6	N13	23162	CG1231	14.43411333	0.064909	222.3746065
6	N14	28008	CG4345	9.946344	0.05252	189.3820259
6	N15	24795	CG10721	13.6955	0.045770333	299.2222036
6	N16	28021	CG12557	13.84828667	0.047755667	289.9820615
6	N17	24796	CG10761	17.74786	0.047553333	373.2201037
6	N18	28048	CG5435	12.31432667	0.050919667	241.8383205
6	N19	24789	CG15828	12.39204	0.049167333	252.0380741
6	N20	28058	CG15526	8.651000667	0.036128333	239.4519721
6	N21	24770	CG16807	12.34758333	0.042416333	291.1044488
6	N22	28064	CG10685,CG10719	11.83634333	0.042945	275.616331
6	N23	24805	CG32486	12.43429333	0.053697667	231.5611479
6	N24	28068	CG13049	12.20075667	0.045875333	265.9546161
6	O01	28336	CG11680	13.3051	0.063281333	210.2531552
6	O02	27577	CG1890	12.42639667	0.085039	146.125856
6	O03	22582	CG2980	13.2714	0.090077333	147.3334024
6	O04	27578	CG5189	11.35641967	0.069477	163.4558151
6	O05	22597	CG1639	20.40668667	0.107409333	189.9898829
6	O06	27592	CG9134	14.14594333	0.077794667	181.8369297
6	O07	22602	CG1710	16.42480333	0.086538333	189.7980086
6	O08	27583	CG11641	10.40721933	0.069233	150.3216578
6	O09	22598	CG3140	8.613958	0.067966333	126.738601
6	O10	27572	CG13920	10.13698167	0.055507667	182.6230911
6	O11	22607	CG3028	11.20782567	0.060067333	186.5877016

6	O12	27588	CG16749	14.13816667	0.072378667	195.3361027
6	O13	22552	CG3166	11.81449133	0.070096333	168.5464955
6	O14	27586	CG18156	15.56644333	0.080996	192.1878035
6	O15	22603	CG1786	14.43779333	0.056703	254.621331
6	O16	23155	CG9828	11.82748333	0.069585667	169.9701088
6	O17	22588	CG33123	12.8658	0.058309	220.6486134
6	O18	23178	CG9779	14.28744333	0.059282	241.0081194
6	O19	22605	CG2945	11.53102667	0.058408667	197.4197893
6	O20	23173	CG9675	13.05684667	0.047083667	277.3115943
6	O21		wts	67.13155333	0.049653333	1352.004968
6	O22		HFA17794	1.573281	0.01265	124.3700395
6	O23		hpo	44.68441333	0.049907667	895.3416643
6	O24		Luc	2.564672333	0.042517	60.32110293
6	P01	23182	CG9947	17.85999333	0.099432	179.6201759
6	P02	24792	CG11029	14.87792667	0.082477	180.3887953
6	P03	23164	CG1342	11.55897333	0.082460333	140.1761655
6	P04	24804	CG11034	10.6885	0.071877333	148.7047377
6	P05	23183	CG1004	10.927841	0.067635	161.5707991
6	P06	24810	CG10861,CG9762	10.05423367	0.066445	151.3166328
6	P07	23184	CG1132	10.14655367	0.073376333	138.2810125
6	P08	24812	CG10917	8.595876667	0.055651667	154.4585667
6	P09	23175	CG1299	13.03139333	0.060313667	216.0603733
6	P10	24802	CG10952	12.24641333	0.058195333	210.4363466
6	P11	23176	CG1347	14.69212	0.074892667	196.1756825
6	P12	24803	CG10996	12.4084	0.058312	212.7932501
6	P13	24782	CG16817	13.81094667	0.065378333	211.2465394
6	P14	28020	CG4375	11.98619667	0.055391	216.3924946
6	P15	24807	CG10723	12.091308	0.059733667	202.4203213
6	P16	28065	CG13993	11.28272667	0.058531333	192.7638758
6	P17	24808	CG10777	9.933943	0.052236	190.1742668
6	P18	28060	CG6272	13.04594	0.059307667	219.9705491
6	P19	24801	CG15835	12.78311	0.045205667	282.7767168
6	P20	28052	CG10130	12.37531	0.054744333	226.0564564
6	P21		wts	57.47780333	0.039103667	1469.882705
6	P22		HFA17794	1.267342	0.013991	90.58266028
6	P23		hpo	43.99593667	0.043181667	1018.856845
6	P24		Luc	1.593106667	0.050106	31.79472851
7	A01		DIAP1	0.633042	0.00735	86.12816327
7	A02		ex/ft	55.51033333	0.075490667	735.3271045
7	A03		Luc	1.526433	0.073818333	20.67823711
7	A04		hpo	39.44443667	0.062974667	626.3540365
7	A05	27980	CG17594	12.95534	0.071953667	180.051144
7	A06	25012	CG5248	12.10871	0.055072	219.8705331
7	A07	25101	CG30149	15.33489333	0.063934	239.8550589
7	A08	25006	CG7558	8.567969	0.068127667	125.7634294
7	A09	25106	CG13588	10.636216	0.060319667	176.3308153
7	A10	25015	CG4276	13.02614667	0.049243333	264.5260949
7	A11	25107	CG13648	14.01680333	0.054988333	254.9050405
7	A12	25010	CG18582	11.64351	0.047241667	246.4669607
7	A13	25110	CG13793	10.86498667	0.050416667	215.5038678
7	A14	25007	CG7846	13.00316333	0.053876	241.3535402
7	A15	25112	CG32600	12.17884	0.049047667	248.3062055
7	A16	19097	CG30171	13.75835667	0.045037667	305.4855565
7	A17	25108	CG13685	16.40305667	0.056388667	290.8927917

7	A18	19089	CG3692	14.84397	0.047957667	309.5223565
7	A19	25102	CG14478	12.98102667	0.046646667	278.2841218
7	A20	19096	CG3727,CG3862	13.82896	0.044794333	308.7211924
7	A21	25117	CG13531	18.02558333	0.059205667	304.4570621
7	A22	19105	CG30420	15.4585	0.046454333	332.7676643
7	A23	25121	CG33141	17.32456	0.050834667	340.8020773
7	A24	19094	CG3775	11.61814	0.051827	224.1715708
7	B01		DIAP1	0.530438333	0.011290667	46.98024917
7	B02		ex/ft	47.18669	0.065246333	723.2083029
7	B03		Luc	1.795351667	0.065074667	27.58910277
7	B04		hpo	38.59332667	0.056536667	682.6247273
7	B05	19099	CG3986	11.78742667	0.071172667	165.617325
7	B06	26838	CG10631	11.71368433	0.063993	183.0463384
7	B07	19100	CG4042	13.28053	0.059421333	223.4976776
7	B08	26842	CG11586	7.896236667	0.058446333	135.1023446
7	B09	19092	CG4187	12.62683333	0.061136	206.5367923
7	B10	26921	CG10623	13.03534	0.072865	178.8971385
7	B11	19139	CG4161	13.6584	0.053864333	253.5703898
7	B12	26741	CG10053	12.45138067	0.055947	222.5567174
7	B13	26833	CG10385	12.09054333	0.052041667	232.3242914
7	B14	26732	CG10122	7.475091	0.058028333	128.817951
7	B15	26834	CG10420	11.36177033	0.067836333	167.4879784
7	B16	26731	CG9149	14.17434667	0.059433333	238.4915311
7	B17	26832	CG10338	13.18622333	0.054775	240.7343374
7	B18	26736	CG9213	11.20023667	0.050869667	220.1751535
7	B19	26835	CG10483	12.28833367	0.053783667	228.4770531
7	B20	26739	CG9314	11.99432333	0.037222	322.237476
7	B21	26837	CG10592	13.93632	0.045943667	303.3349537
7	B22	26747	CG9177	7.571635333	0.036673333	206.461607
7	B23	26843	CG10289	11.89960333	0.06023	197.569373
7	B24	26750	CG9280	14.18092667	0.047066	301.2987436
7	C01	27991	CG8053	7.142731333	0.036635667	194.966599
7	C02	25026	CG2574	14.07679667	0.053633333	262.4635799
7	C03	27990	CG14334	11.43769	0.057229	199.8582886
7	C04	25025	CG1846	16.32744333	0.057361667	284.6403231
7	C05	27992	CG1379	14.27544667	0.051118	279.2645774
7	C06	25024	CG6384	12.35723067	0.043762333	282.3713848
7	C07	25113	CG13473	10.41823867	0.050763667	205.2302237
7	C08	25018	CG7595	14.54313667	0.052719	275.8613909
7	C09	25118	CG13597	15.46827667	0.055114	280.659663
7	C10	25009	CG17998	8.152271	0.040416667	201.7056742
7	C11	25119	CG31111	4.743502667	0.059593	79.59831971
7	C12	25022	CG1938	11.50754667	0.049406333	232.9164277
7	C13	25122	CG13801	13.06388	0.044818667	291.483013
7	C14	25019	CG7940	16.38409	0.055566333	294.8564179
7	C15	25124	CG14426	16.78424	0.043479667	386.0250385
7	C16	19109	CG3903	13.53825	0.039661333	341.3463155
7	C17	25120	CG13686	14.27102333	0.045949	310.5839808
7	C18	19101	CG3699	13.60692667	0.039375	345.5727407
7	C19	25114	CG30106	13.74243333	0.041236333	333.2603125
7	C20	19119	CG3843	12.33524	0.034904	353.4047674
7	C21	25129	CG13550	7.939699667	0.065107333	121.9478553
7	C22	19117	CG3753	15.27164	0.032833	465.1308135
7	C23	25195	CG14413	16.81003333	0.039874333	421.5752823

7	C24	19155	CG3856	13.98593	0.039090333	357.7848744
7	D01	19098	CG3931	7.205599667	0.071602	100.6340558
7	D02	26840	CG11378	14.17792667	0.063144	224.5332362
7	D03	19090	CG4084	10.32236233	0.050422	204.7194148
7	D04	26841	CG11488	11.795861	0.051492667	229.0784642
7	D05	19111	CG3994	12.90555333	0.057021	226.3298317
7	D06	26850	CG10639	11.89496167	0.052609	226.1012691
7	D07	19112	CG4049	11.751083	0.052061	225.7175813
7	D08	26854	CG11596	12.10655667	0.050987333	237.4424367
7	D09	19104	CG4190	15.04139333	0.048353667	311.0703773
7	D10	26749	CG9253	4.312988	0.041888	102.9647632
7	D11	19151	CG4163	13.97238	0.053053333	263.3647901
7	D12	26753	CG10064	14.14107333	0.056006	252.4921139
7	D13	26845	CG10387	13.96384	0.053221	262.3746266
7	D14	26744	CG10123	11.74412333	0.041289333	284.4348016
7	D15	26846	CG10424	14.06947	0.041017	343.0155789
7	D16	26743	CG31651	13.54319	0.055776	242.8139343
7	D17	26844	CG10343	9.399882	0.042966333	218.7731945
7	D18	26748	CG9224	12.2093	0.041992667	290.7483846
7	D19	26847	CG10484	0.864343667	0.018446333	46.85720739
7	D20	26788	CG10009	11.67358667	0.035945667	324.756438
7	D21	26849	CG10600	13.13816	0.038190333	344.0179452
7	D22	26759	CG9186	16.2318	0.041881333	387.5664576
7	D23	26855	CG31148	13.86347667	0.043769	316.7419102
7	D24	26762	CG9285	16.24997333	0.041053333	395.8259175
7	E01	28003	CG8338	20.4781	0.060347667	339.3354065
7	E02	25038	CG2774	18.52300333	0.059934	309.0566846
7	E03	28002	CG2239	19.86631667	0.066209	300.054625
7	E04	25037	CG1915	16.30049667	0.060709667	268.4991956
7	E05	28024	CG18285	15.32815667	0.063014333	243.2487318
7	E06	25036	CG6433	15.55537667	0.062161	250.2433466
7	E07	25125	CG13480	15.10800667	0.057725	261.7238054
7	E08	25030	CG31232	14.41951667	0.051148667	281.9138329
7	E09	25130	CG13602	16.22948333	0.058847667	275.7880516
7	E10	25039	CG5087	18.27252	0.054343	336.2442265
7	E11	25131	CG31106	18.38717	0.058345333	315.143799
7	E12	25091	CG2699	15.10802	0.054759	275.9002173
7	E13	25134	CG13803	15.34679333	0.090318333	169.9189164
7	E14	25071	CG5000	16.09058667	0.070439333	228.4318421
7	E15	25136	CG14430	15.16007	0.054324	279.0676312
7	E16	19121	CG3905	16.19914	0.049774667	325.4494924
7	E17	25132	CG13688	18.97015333	0.047492333	399.4361195
7	E18	19113	CG3705	17.61962	0.049644333	354.9170432
7	E19	25126	CG14487	17.57316	0.050284667	349.4735307
7	E20	19120	CG3874	14.5731	0.051010667	285.6873072
7	E21	25141	CG13559	13.70776333	0.046173333	296.8761912
7	E22	19129	CG3757	15.02120667	0.04395	341.7794463
7	E23	25145	CG32796	15.35475667	0.046999	326.7039015
7	E24	19118	CG3797	15.12659667	0.04058	372.7598981
7	F01	19110	CG3935	14.45994667	0.072831667	198.5392801
7	F02	26852	CG11395	15.61337333	0.075247	207.494961
7	F03	19174	CG4110	16.893	0.074818333	225.7869061
7	F04	26853	CG11502	18.53299667	0.055990667	331.001536
7	F05	19123	CG4009	14.12256333	0.060251667	234.3929075

7	F06	26862	CG10645	12.71563667	0.053547	237.466836
7	F07	19124	CG4051	15.94015	0.061268667	260.1680576
7	F08	26866	CG30092	15.51367	0.057890333	267.9837739
7	F09	19116	CG4193	10.64251567	0.053815667	197.7586886
7	F10	26761	CG9256	14.38969	0.049699	289.5368116
7	F11	26836	CG10521	15.25616667	0.055609333	274.3454336
7	F12	26765	CG31492	21.62431667	0.053041	407.6905916
7	F13	26857	CG10391	13.84853333	0.050812333	272.5427554
7	F14	26756	CG10124	14.00752	0.043711667	320.4526633
7	F15	26858	CG10440	13.91557	0.045829333	303.6389358
7	F16	26790	CG10116	13.12041667	0.056060333	234.0410034
7	F17	26856	CG10346	11.61295667	0.054966	211.2752732
7	F18	26760	CG9226	13.36542	0.047888	279.0974774
7	F19	26859	CG10489	12.48192667	0.050052	249.379179
7	F20	26763	CG9317	15.94656333	0.048374667	329.6469915
7	F21	26861	CG31692	15.50424667	0.040627333	381.6210761
7	F22	26771	CG9193	6.607368	0.044299667	149.1516415
7	F23	26867	CG10302	19.17855	0.045425333	422.1994335
7	F24	26824	CG10051	14.79466667	0.041975333	352.4609691
7	G01	28015	CG9070	15.74067667	0.059029333	266.6585539
7	G02	25081	CG18247	18.13549333	0.059712	303.7160593
7	G03	28014	CG2358	16.56959333	0.059892333	276.6563333
7	G04	25032	CG3723	15.37046667	0.053257	288.6093221
7	G05	28036	CG31869	12.70253	0.052654333	241.2437723
7	G06	25048	CG31705	15.91496333	0.053306333	298.5567068
7	G07	25137	CG13487	15.85522667	0.057574	275.3886592
7	G08	25042	CG7709	16.68363333	0.048735667	342.3290267
7	G09	25142	CG13610	18.30467	0.064081333	285.6474584
7	G10	25051	CG5300	17.97112333	0.056892667	315.8776761
7	G11	25143	CG13656	16.594	0.048654667	341.0566989
7	G12	25028	CG6613	14.66631667	0.049258667	297.7408375
7	G13	25146	CG13804	18.27530667	0.043350667	421.5692185
7	G14	25083	CG5081	17.67555	0.053083667	332.9753031
7	G15	25148	CG14437	19.50788	0.051033667	382.2551126
7	G16	19133	CG3911	13.05655	0.052804	247.2644118
7	G17	25144	CG13690,CG4063	16.89578	0.046259667	365.2378242
7	G18	19125	CG3711	22.98527	0.053527333	429.411827
7	G19	25138	CG14490	20.03392	0.046707667	428.9214476
7	G20	19132	CG3876	11.047917	0.052057667	212.2245907
7	G21	25153	CG13567	16.81181333	0.039807333	422.329554
7	G22	19141	CG3758	14.54084	0.048929333	297.1804235
7	G23	25157	CG13758	17.58211	0.051997	338.1370079
7	G24	19179	CG3858	14.45587	0.046430333	311.3453848
7	H01	19122	CG3940	18.00254	0.074028	243.1855514
7	H02	26864	CG11396	13.56440333	0.065872667	205.9185398
7	H03	19114	CG4096	14.57722	0.066234333	220.0855548
7	H04	26865	CG11518	11.454186	0.064688	177.0681734
7	H05	19135	CG4013	13.08453	0.046021667	284.3123891
7	H06	26874	CG10648	5.910280667	0.06338	93.25150941
7	H07	19136	CG4053	15.10234	0.061474667	245.6677005
7	H08	26885	CG10620	13.22092	0.061751	214.1005004
7	H09	19128	CG4195	13.25850667	0.053864333	246.1463058
7	H10	26773	CG9267	14.54392	0.052531333	276.8618095
7	H11	26848	CG10535	22.04409333	0.046819333	470.8331316

7	H12	26777	CG10069	14.53300333	0.057214333	254.0098344
7	H13	26869	CG10407	9.755559667	0.051145	190.7431746
7	H14	26768	CG10125	13.83238333	0.049964	276.8469965
7	H15	26870	CG10446	15.89414667	0.047308	335.9716468
7	H16	26767	CG9165	16.32866667	0.048294	338.109634
7	H17	26868	CG33116	15.80048333	0.040400333	391.0978457
7	H18	26752	CG9331	14.18932667	0.039647333	357.8885507
7	H19	26871	CG10495	13.44351667	0.043361	310.0370533
7	H20	26775	CG9318	11.83835267	0.041663333	284.1431955
7	H21	26873	CG10618	16.39561667	0.047536	344.9094721
7	H22	26802	CG10117	18.93360667	0.04344	435.8565071
7	H23	26879	CG10307	16.31830333	0.045695333	357.1109377
7	H24	26786	CG9293	7.254455667	0.051682333	140.3662567
7	I01	28027	CG9790	13.63610667	0.056194	242.6612568
7	I02	25062	CG3837	13.90066833	0.069847333	199.0150185
7	I03	28026	CG3620	13.170965	0.049642	265.3189839
7	I04	25061	CG2019	12.47426167	0.055771667	223.6666467
7	I05	28028	CG31092	13.64448633	0.051439333	265.2539496
7	I06	25035	CG4145	13.81854733	0.057373667	240.851738
7	I07	25149	CG13492	12.317179	0.050994667	241.5385727
7	I08	25080	CG4209	14.52947433	0.042021333	345.7642388
7	I09	25154	CG13620	8.644003	0.054142333	159.653315
7	I10	25063	CG5433	10.36086867	0.054155667	191.3164273
7	I11	25155	CG13661	13.98511033	0.050724333	275.7081151
7	I12	25092	CG4214	3.015477667	0.068716667	43.88276983
7	I13	25158	CG32302	10.11247633	0.051919333	194.7728463
7	I14	25095	CG5125	11.724348	0.039956667	293.4265788
7	I15	25160	CG14439	10.31802267	0.038067667	271.0442633
7	I16	19145	CG3916	12.35191633	0.043465667	284.1763921
7	I17	25156	CG13691	9.684324667	0.047458	204.0609521
7	I18	19137	CG3726	6.190181	0.040592667	152.4950566
7	I19	25150	CG14505	10.990952	0.040754333	269.687935
7	I20	19144	CG3885	10.445286	0.044657	233.9003068
7	I21	25165	CG13575	9.365377667	0.044288	211.4653556
7	I22	19178	CG3827	9.873829667	0.038094	259.1964526
7	I23	25169	CG13759	8.185547	0.041472	197.3752652
7	I24	19142	CG3812	12.63017133	0.041546333	304.00207
7	J01	19134	CG3941	13.749623	0.064203333	214.1574633
7	J02	26876	CG11399	6.688294667	0.045678333	146.4216003
7	J03	19126	CG4103	8.499589667	0.051070667	166.4280148
7	J04	26877	CG11522	0.766448	0.028929333	26.49380099
7	J05	19147	CG4017	9.879397	0.064571	153.0005266
7	J06	26886	CG10655	8.530102667	0.052293333	163.1202703
7	J07	19148	CG4054	9.337239667	0.051842667	180.1072411
7	J08	26890	CG11654	7.622505	0.048393	157.5125535
7	J09	19140	CG4206	7.30516	0.040382333	180.8998985
7	J10	26785	CG32210	10.15014033	0.058048333	174.8567056
7	J11	26860	CG10542	7.748437667	0.048903667	158.4428775
7	J12	26789	CG10072	9.450917333	0.049277	191.791654
7	J13	26881	CG10413	12.05666067	0.054853667	219.7968048
7	J14	26780	CG10126	9.927014667	0.04522	219.5270824
7	J15	26882	CG10449	6.244493333	0.058898333	106.0215626
7	J16	26779	CG9166	12.39895033	0.046471667	266.8066636
7	J17	26880	CG10370	0.749181333	0.016793333	44.61183009

7	J18	26784	CG9232	12.714323	0.045386	280.1375534
7	J19	26883	CG30390	14.15271433	0.049432333	286.3048005
7	J20	26787	CG9319	12.70601267	0.040020667	317.4862821
7	J21	26827	CG10237	13.623579	0.057768333	235.8312628
7	J22	26795	CG9201	9.942051667	0.048101333	206.6897314
7	J23	26891	CG10327	10.923867	0.0393	277.9609924
7	J24	26798	CG9300	6.974029	0.046822667	148.9455748
7	K02	25074	CG4005	13.64414	0.070522	193.473526
7	K03	28063	CG6570	1.380837333	0.082726	16.69169709
7	K04	25073	CG2079	19.51894333	0.060428333	323.0097912
7	K05	28059	CG6305	18.71398667	0.059664	313.6562528
7	K06	25047	CG4244	15.58492333	0.074199667	210.0403416
7	K07	25161	CG13502	16.31924333	0.048850333	334.0661613
7	K08	25066	CG7761	12.77883	0.067352667	189.730127
7	K09	25166	CG13625	15.64655333	0.061410333	254.7869794
7	K1	28039	CG12217	11.63649	0.060577	192.0941942
7	K10	25089	CG17960	13.35849333	0.060329333	221.4261719
7	K11	25167	CG13662	11.86148833	0.055901333	212.1861434
7	K12	25052	CG6742	11.89789	0.064411667	184.7163816
7	K13	25170	CG13806	13.30233	0.05587	238.0943261
7	K14	25067	CG2160	12.55853	0.051764333	242.609712
7	K15	25172	CG14441	10.39086567	0.052041667	199.6643523
7	K16	19157	CG3921	12.43889667	0.051732667	240.4456887
7	K17	25171	CG14406	13.48071333	0.050784667	265.448495
7	K18	19149	CG3734	12.22784	0.049795667	245.5603232
7	K19	25123	CG13837,CG17121	14.87488	0.059161	251.4305032
7	K20	19156	CG3886	15.35766667	0.053291333	288.1831943
7	K21	25177	CG13581	13.93220667	0.042526667	327.6110676
7	K22	19165	CG3769	12.98141	0.040177	323.1055081
7	K23	25181	CG31637	13.50213	0.050701667	266.3054469
7	K24	19154	CG3817	9.374684333	0.046402	202.0319024
7	L01	19146	CG3942	18.03591667	0.077521667	232.6564616
7	L02	26888	CG11414	16.94653333	0.065055333	260.4941434
7	L03	19138	CG4105	16.45501667	0.069990333	235.1041334
7	L04	26889	CG11526	3.125342333	0.072521333	43.09548914
7	L05	19159	CG4020	13.84423333	0.063429	218.2634652
7	L06	26898	CG10664	7.485658	0.048204	155.2912206
7	L07	19160	CG4061	15.28902667	0.057721667	264.8750036
7	L08	26897	CG10621	13.61174333	0.057639	236.1550917
7	L09	19152	CG15899	12.19477333	0.056905	214.3005594
7	L10	26797	CG9270	11.87235633	0.057391	206.8679119
7	L11	26872	CG10555	15.72163333	0.050737667	309.8611814
7	L12	26801	CG30387	13.75822333	0.055739667	246.8300253
7	L13	26893	CG10414	14.04763	0.045669667	307.592129
7	L14	26792	CG10131	10.71092467	0.048776333	219.5926576
7	L15	26894	CG30286	12.88643	0.049271333	261.5401112
7	L16	26791	CG9169	13.95952667	0.048137667	289.9917597
7	L17	26892	CG10210,CG10375	12.83540333	0.046625	275.2901519
7	L18	26796	CG9242	12.91258	0.049189667	262.5059464
7	L19	26908	CG10583	11.27834667	0.056786333	198.610229
7	L20	26812	CG10038	13.00314667	0.048217333	269.6778475
7	L21	26839	CG10240	16.97291333	0.046065333	368.4530667
7	L22	26807	CG9204	16.35226667	0.053707667	304.4680151
7	L23	26920	CG10590	13.80572667	0.042366333	325.8655064

7	L24	26814	CG10118	13.12087	0.047463	276.4441776
7	M01	28050	CG15387	13.74843667	0.064639667	212.6934957
7	M02	25086	CG4132	13.42926667	0.066972333	200.5196176
7	M03	28049	CG5874	14.18698667	0.059647333	237.8477943
7	M04	25085	CG2210	13.59685667	0.055368667	245.5695159
7	M05	28071	CG6891	11.34955	0.051997	218.2731696
7	M06	25068	CG30388	6.207545667	0.050078	123.9575396
7	M07	25173	CG13506	13.50278333	0.059684667	226.2353815
7	M08	25078	CG7765	10.36815333	0.058107333	178.4310644
7	M09	25178	CG13633	11.35690933	0.051318333	221.30316
7	M10	25087	CG6292	2.185180333	0.035274333	61.94816817
7	M11	25179	CG13667,CG7161	13.28899	0.052616333	252.5639694
7	M12	25082	CG2534	14.98881667	0.055033333	272.3588734
7	M13	25182	CG13813	14.51956667	0.058231333	249.3428509
7	M14	19095	CG3839	14.65188667	0.049477	296.1353087
7	M15	25184	CG14443	13.6922	0.046813	292.4871296
7	M16	19169	CG3924	6.159151667	0.070934667	86.82851356
7	M17	25180	CG32183	15.59543667	0.05246	297.2824374
7	M18	19161	CG3739	14.19404333	0.048579	292.1847575
7	M19	25135	CG14387	15.07154667	0.044838333	336.1308404
7	M20	19168	CG3896	15.26045333	0.041571333	367.0907837
7	M21	25189	CG30169	15.85527333	0.046907	338.0150795
7	M22	19177	CG3774	13.1504	0.046343	283.7623805
7	M23	25193	CG13778	13.06055	0.051439667	253.9003622
7	M24	19166	CG3822	13.31500667	0.045672333	291.5333134
7	N01	19158	CG3953	18.89685	0.088263	214.0970735
7	N02	26900	CG11418	11.26022467	0.068591	164.1647544
7	N03	19175	CG4183	16.84494667	0.074277667	226.7834656
7	N04	26901	CG11537	12.52504667	0.065143	192.2700316
7	N05	19171	CG33138	14.57781333	0.061585	236.7104544
7	N06	26910	CG10669	15.37688	0.064141667	239.7330908
7	N07	19172	CG4078	16.63649333	0.060004	277.2564051
7	N08	26914	CG11670	13.37514333	0.065640333	203.7640983
7	N09	19164	CG4258	10.114722	0.055720333	181.5265881
7	N10	26809	CG9273	17.37991333	0.075889667	229.0155445
7	N11	26863	CG10267	16.04914333	0.060442333	265.5281894
7	N12	26813	CG10075,CG9948	14.60996333	0.054431667	268.4092593
7	N13	26905	CG10415	17.8868	0.055826667	320.3988536
7	N14	26804	CG10137,CG10165	14.76556667	0.062166	237.5183648
7	N15	26906	CG10479	14.54744	0.053884	269.9769876
7	N16	26740	CG9330	13.73029	0.047054667	291.7944377
7	N17	26904	CG10382	16.40961667	0.047257333	347.2395819
7	N18	26808	CG9244	12.8788	0.047027	273.8596976
7	N19	26907	CG10514	15.09661333	0.054061	279.2514629
7	N20	26811	CG9324	1.657443667	0.022894667	72.39431309
7	N21	26911	CG10284	15.49234667	0.049482	313.0905514
7	N22	26819	CG9212	14.17031	0.044938	315.3302328
7	N23	26915	CG10333	13.63424667	0.061379	222.1321082
7	N24	26822	CG9310	7.501562667	0.042369	177.053097
7	O01	28070	CG15705	10.484498	0.070743	148.2054479
7	O02	25098	CG4200	16.20984	0.070927333	228.541512
7	O03	28061	CG6824	12.44690667	0.066300333	187.735205
7	O04	25044	CG3917	8.291352333	0.059459667	139.4449851
7	O05	25159	CG14398	11.76442333	0.060065333	195.860452

7	O06	25096	CG7486	14.35446333	0.062009667	231.48751
7	O07	25185	CG13526	12.00680467	0.062579	191.8663556
7	O08	25090	CG7794	13.95001	0.058724333	237.5507598
7	O09	25190	CG13646	11.05011667	0.051639667	213.9850503
7	O10	25099	CG6303	8.739045	0.056351667	155.0805063
7	O11	25191	CG32369	12.53442333	0.054454667	230.1808844
7	O12	25076	CG6831	12.92819	0.047337667	273.105772
7	O13	25194	CG13822	13.34443667	0.060277667	221.3827675
7	O14	19107	CG3842	13.24897667	0.060067333	220.5687506
7	O15	25196	CG14457	14.27627333	0.046983	303.8604034
7	O16	19181	CG3929	12.67773	0.047890333	264.7241963
7	O17	25192	CG13744	8.863962667	0.045948667	192.9101171
7	O18	19143	CG3853	14.39600333	0.046987333	306.3805139
7	O19	25147	CG31345	14.90501667	0.047057667	316.7393907
7	O20	19180	CG3897	13.09621	0.047181667	277.5698894
7	O21		wts	59.73385	0.040878	1461.271344
7	O22		HFA17794	1.344875	0.011805667	113.9177514
7	O23		hpo	37.78098667	0.041176667	917.5338784
7	O24		Luc	1.860514333	0.046522333	39.99185338
7	P01	19163	CG4167	13.13213667	0.075753667	173.353149
7	P02	26912	CG11430	16.71904333	0.053040667	315.2117872
7	P03	19162	CG4109	7.917367333	0.065158	121.5102878
7	P04	26913	CG32593	10.88058	0.088647	122.7405327
7	P05	19183	CG4039	11.75463067	0.068552667	171.4686129
7	P06	26922	CG11353	13.35487667	0.074726333	178.7171412
7	P07	19184	CG4083	5.561696	0.056857667	97.8178727
7	P08	26909	CG10622	14.4495	0.064680333	223.3986632
7	P09	19176	CG4259	12.82003	0.058747333	218.2231818
7	P10	26821	CG14098,CG32210	12.88645	0.053277667	241.8733929
7	P11	26896	CG10576	13.41355333	0.054688333	245.2726663
7	P12	26766	CG10103	12.06633	0.050995667	236.6148104
7	P13	26917	CG10419	13.35650667	0.051315	260.2846471
7	P14	26778	CG32394	9.724317333	0.056792333	171.2258814
7	P15	26918	CG10480	19.16989333	0.056397667	339.9057881
7	P16	26815	CG31912,CG9171	13.00770333	0.055454	234.5674493
7	P17	26875	CG10272	16.03173333	0.065429	245.024887
7	P18	26776	CG10007	13.79673	0.046608667	296.0121151
7	P19	26887	CG10275	13.86270333	0.045883	302.1315811
7	P20	26823	CG9327	2.258147	0.024088333	93.74442676
7	P21		wts	58.58787	0.033544333	1746.580247
7	P22		HFA17794	1.255612	0.011585	108.3825637
7	P23		hpo	42.38821	0.036392333	1164.756588
7	P24		Luc	1.762271667	0.048062	36.66663199
8	A01		DIAP1	0.586926667	0.009846	59.610671
8	A02		ex/ft	49.62959667	0.056029667	885.7735485
8	A03		Luc	2.030397333	0.064862	31.30334145
8	A04		hpo	40.96359667	0.049157	833.3217378
8	A05	26817	CG10194	14.02853667	0.060326667	232.5428777
8	A06	26641	CG8786	13.30597033	0.057297	232.2280457
8	A07	26544	CG10367	10.396546	0.067858	153.2103216
8	A08	26643	CG8882	3.158301333	0.070561667	44.75944918
8	A09	26541	CG12858	14.92439333	0.062189667	239.9818834
8	A10	26645	CG8965	16.55201667	0.064104	258.2056762
8	A11	26539	CG10121	16.47361667	0.064920667	253.7499615

8	A12	26646	CG8994	13.41029333	0.056680333	236.5951741
8	A13	26546	CG10638	13.66538	0.057585333	237.3066058
8	A14	26638	CG31650	12.24686333	0.055041667	222.5016805
8	A15	26545	CG10516	14.284	0.050760333	281.4008314
8	A16	26642	CG8830	8.510656333	0.047182667	180.3767556
8	A17	26550	CG11887	13.64916667	0.041366667	329.9556809
8	A18	26644	CG33067	14.56626333	0.044313667	328.7081487
8	A19	26543	CG10277	13.17009	0.045963667	286.5326236
8	A20	26637	CG9066	14.11721	0.041512	340.0753999
8	A21	26547	CG11471	8.667685	0.053228333	162.8396844
8	A22	21173	CG7228	10.91191	0.042946667	254.0804874
8	A23	26635	CG14220	5.014128667	0.04197	119.4693511
8	A24	21189	CG7259	14.90147	0.047688667	312.474033
8	B01		DIAP1	33.78638667	0.127561667	264.8631642
8	B02		ex/ft	34.43449333	0.091320333	377.0736711
8	B03		Luc	1.969652333	0.068608667	28.70850621
8	B04		hpo	34.02431667	0.055128667	617.180112
8	B05	21180	CG7383	11.361371	0.064703	175.5926464
8	B06	18716	CG13329	7.763276667	0.071165333	109.0878986
8	B07	21181	CG7423	13.34941333	0.055484667	240.5964411
8	B08	18713	CG31741	15.99176333	0.068273333	234.2314715
8	B09	21182	CG8072	14.10257333	0.071877333	196.2033464
8	B10	18714	CG7831	11.47097667	0.070384333	162.9762779
8	B11	21176	CG8302	12.93836667	0.05051	256.1545569
8	B12	18706	CG5370	13.43025667	0.068084333	197.2591345
8	B13	21175	CG8246	15.52044333	0.057921667	267.9557448
8	B14	22709	CG4525	13.08953333	0.052559333	249.0429863
8	B15	21195	CG8117	12.30036333	0.057513667	213.8685298
8	B16	22710	CG17894	8.048557667	0.05394	149.2131566
8	B17	18710	CG9695	15.00228	0.048566667	308.900755
8	B18	22711	CG4622	7.885778333	0.051359	153.5422873
8	B19	18711	CG11579	12.42901667	0.048260333	257.5410448
8	B20	22713	CG4678	10.31887167	0.043392667	237.8022016
8	B21	18709	CG10522	8.380101667	0.047420667	176.7183436
8	B22	22717	CG4475	12.87311667	0.037501667	343.2678548
8	B23	18712	CG2092	7.212824	0.058261333	123.8012175
8	B24	22712	CG4651	1.398316	0.038874333	35.97016026
8	C01	26733	CG10160	10.98016033	0.066476	165.1748049
8	C02	26636	CG9030	11.30423267	0.047008	240.4746568
8	C03	26746	CG10207	7.029553	0.054514	128.9494992
8	C04	26640	CG8766	10.42589667	0.053734	194.0279277
8	C05	26554	CG13900	7.554728667	0.088030333	85.81960764
8	C06	26653	CG8790	12.51315667	0.058213333	214.9534471
8	C07	26556	CG10372	11.16497067	0.046628667	239.4443475
8	C08	26655	CG8885	10.60943833	0.050474333	210.1947194
8	C09	26564	CG12737	15.36095333	0.054144333	283.703804
8	C10	26657	CG8972	12.85684333	0.047760667	269.1931296
8	C11	26551	CG10144	12.29916567	0.044330333	277.4435639
8	C12	26658	CG8996	14.08445333	0.055375333	254.345256
8	C13	26558	CG10650	13.01931667	0.054855667	237.3376801
8	C14	26650	CG9119	13.62932667	0.042355667	321.782839
8	C15	26557	CG10550	13.06979733	0.041005	318.7366744
8	C16	26654	CG8839	14.90377667	0.044991	331.2612893
8	C17	26584	CG11660	10.79387967	0.04006	269.4428274

8	C18	26656	CG8931	13.06006	0.035035333	372.768253
8	C19	26555	CG10281	11.57331333	0.026112333	443.2125305
8	C20	26649	CG9078	11.87346	0.039600667	299.8298008
8	C21	26540	CG12002	13.41910333	0.045455333	295.2151563
8	C22	21185	CG7229	13.21330667	0.039393	335.4227062
8	C23	26647	CG14224	14.94120333	0.034862667	428.5731633
8	C24	21201	CG7260	13.68231667	0.034711333	394.1743331
8	D01	21196	CG8166	13.77427667	0.05358	257.0786985
8	D02	18715	CG31048	12.1622	0.053070667	229.1699118
8	D03	21191	CG7331	14.4662	0.063283333	228.5941533
8	D04	18708	CG4799	13.15145	0.062422333	210.6850112
8	D05	21192	CG7384	10.87237667	0.065659667	165.5868392
8	D06	18728	CG9191	1.880699667	0.033004	56.98399184
8	D07	21193	CG7427	10.58608	0.04909	215.6463638
8	D08	18725	CG12789	13.05526333	0.045173667	289.0016307
8	D09	21194	CG8079	13.82199333	0.041832333	330.4141135
8	D10	18791	CG11561	12.52737333	0.048496333	258.3158864
8	D11	21188	CG8303	11.30123667	0.037831667	298.724261
8	D12	18718	CG10873	7.759860667	0.038877	199.6002949
8	D13	21187	CG8249	14.16693333	0.046732	303.152729
8	D14	22721	CG4528	15.22613333	0.071165333	213.9543598
8	D15	21258	CG8241	12.18746	0.076954	158.3733139
8	D16	22722	CG4581	14.21555333	0.044346333	320.5575809
8	D17	18722	CG1768	11.55690833	0.048536	238.1100283
8	D18	22723	CG4633	12.52624333	0.041473333	302.0312651
8	D19	18723	CG8856	13.71771	0.038943667	352.2449521
8	D20	22725	CG4679	11.155174	0.037156	300.2253741
8	D21	18721	CG7524	13.09759667	0.043645667	300.0892796
8	D22	22729	CG4476	12.81218	0.037409	342.4892406
8	D23	18724	CG1569	13.90717333	0.042045333	330.7661572
8	D24	22724	CG4658	12.49840933	0.034872333	358.4047335
8	E01	26745	CG10161	4.731038	0.063263667	74.78286115
8	E02	26648	CG9031	15.71325333	0.062102667	253.0205896
8	E03	26758	CG10211	16.06142	0.068346667	234.9993172
8	E04	26652	CG8768	13.87245333	0.063184	219.5564278
8	E05	26566	CG32479	13.6574	0.068716667	198.7494543
8	E06	26665	CG8791	15.49374333	0.060913333	254.3571741
8	E07	26568	CG10374	15.66588	0.066426667	235.837214
8	E08	26667	CG8888	15.73943667	0.058511	268.9996183
8	E09	26565	CG12891	16.09450333	0.062747333	256.4970092
8	E10	26669	CG32581,CG8974,CG8974	15.55999	0.055435667	280.6855394
8	E11	26563	CG10149	0.688519	0.017407	39.55414488
8	E12	26670	CG9008	16.89034667	0.053804333	313.9216792
8	E13	26608	CG11727	9.353563333	0.061095667	153.0970009
8	E14	26662	CG9122	13.80504	0.058296667	236.8066785
8	E15	26569	CG32434	15.92328667	0.054363667	292.9031032
8	E16	26723	CG8745	15.35392	0.059593333	257.6449267
8	E17	26596	CG11661	17.56017667	0.053076667	330.8455065
8	E18	26668	CG8933	16.59496667	0.046082333	360.1155902
8	E19	26567	CG10287	14.69966333	0.056861333	258.5177391
8	E20	26661	CG9081	17.70484667	0.047577667	372.1251568
8	E21	26552	CG12736	15.81324	0.044783333	353.1054708
8	E22	21197	CG7230	15.38401	0.045876333	335.3365206
8	E23	26659	CG8708	14.75038667	0.054514	270.5797899

8	E24	21213	CG7274,CG7280	4.609186333	0.037852333	121.7675617
8	F01	21208	CG8172	13.40657267	0.070637	189.7953292
8	F02	18727	CG10595	12.97426667	0.071892	180.4688514
8	F03	21203	CG7333	15.03457	0.06942	216.5740421
8	F04	18720	CG2637	10.29777367	0.048818333	210.9407053
8	F05	21204	CG7385	13.13241	0.076561	171.5287157
8	F06	18740	CG17256	13.00357067	0.069567333	186.9206428
8	F07	21205	CG7429	16.30681667	0.058452	278.9779078
8	F08	18737	CG9749	8.550114667	0.058996333	144.9262045
8	F09	21206	CG8089	14.45933	0.050882667	284.1700514
8	F10	18738	CG4012	12.34660333	0.072019	171.435362
8	F11	21200	CG8315	11.781837	0.049945667	235.8930771
8	F12	18730	CG4280	13.91063667	0.05508	252.5533164
8	F13	21267	CG32052	13.98931667	0.056267333	248.6223504
8	F14	22733	CG4533	13.44731667	0.049601333	271.1079675
8	F15	21219	CG8145	13.11772667	0.061591333	212.980073
8	F16	22734	CG4589	7.593783667	0.044380667	171.1056691
8	F17	18734	CG10155	15.53694	0.050445333	307.995586
8	F18	22735	CG33158	11.62305	0.059148667	196.5056975
8	F19	18735	CG18241	14.14119333	0.052006667	271.9111652
8	F20	22737	CG4685	14.91458	0.055590667	268.2928789
8	F21	18733	CG4032	28.0234	0.059015333	474.8494741
8	F22	22741	CG4477	15.63873	0.050735333	308.2413965
8	F23	18736	CG4654	2.088341	0.031927667	65.40850673
8	F24	22736	CG4659	6.779331667	0.041771667	162.2949767
8	G01	26757	CG10166	13.59805333	0.056711	239.778056
8	G02	26663	CG8729	16.89949333	0.061063333	276.7535346
8	G03	26770	CG10212	17.19255333	0.070739667	243.0397844
8	G04	26664	CG8772	19.65694333	0.056014667	350.9249363
8	G05	26578	CG14039	13.78643	0.049855	276.5305386
8	G06	26677	CG8801	6.441675333	0.063910333	100.7923914
8	G07	26580	CG32412	15.64397333	0.05033	310.8280019
8	G08	26679	CG8890	14.91296333	0.05257	283.6782068
8	G09	26577	CG32572	17.13322333	0.061846	277.0304196
8	G10	26681	CG8975	3.214639333	0.032708333	98.28196688
8	G11	26575	CG10192	18.61673667	0.049591	375.4055507
8	G12	26682	CG9014	16.32782333	0.048420333	337.2100564
8	G13	26582	CG11371	13.19075333	0.050653	260.4140591
8	G14	26674	CG9124	11.620487	0.067338	172.5695298
8	G15	26581	CG10582	5.409305	0.11193	48.3275708
8	G16	26678	CG8846	16.74518	0.050872	329.1629973
8	G17	26586	CG30019	16.16676667	0.041947333	385.4063031
8	G18	26680	CG8938	17.31205333	0.046025333	376.1418349
8	G19	26632	CG11796	19.60177	0.045439333	431.3833096
8	G20	26721	CG9104	18.91203333	0.042245667	447.6680054
8	G21	26583	CG1799	13.13576667	0.055613667	236.1967382
8	G22	21209	CG7233	18.84960667	0.042849333	439.9043159
8	G23	26671	CG8711	8.24527	0.034955	235.8824203
8	G24	21225	CG7277	15.72207	0.040522667	387.982117
8	H01	21220	CG8178	19.52390667	0.067870667	287.663399
8	H02	18739	CG4173	13.51928	0.053975	250.4729968
8	H03	21215	CG7343	16.44098	0.060385667	272.2662663
8	H04	18732	CG14226	11.040236	0.056568333	195.1663652
8	H05	21216	CG7386	10.84561967	0.053656333	202.1312116

8	H06	18752	CG1258	11.119966	0.057771333	192.4824192
8	H07	21217	CG7431	16.66670333	0.049647667	335.6996301
8	H08	18749	CG11804	19.44541	0.056701667	342.9424767
8	H09	21218	CG8093	17.14784667	0.051841667	330.7734448
8	H10	18750	CG4379	13.54208	0.043656	310.1997434
8	H11	21212	CG8319	15.45073333	0.053867	286.8311458
8	H12	18742	CG2727	17.57604	0.061506	285.7613891
8	H13	21211	CG8271	16.94389	0.047797333	354.4944627
8	H14	22745	CG4538	16.79861	0.049682	338.1226601
8	H15	21231	CG8147	13.62116333	0.046857333	290.6943773
8	H16	22746	CG4592	11.89489367	0.037135	320.3148961
8	H17	18746	CG31536	17.92788	0.047951333	373.8765693
8	H18	22747	CG31365	17.39858667	0.039685	438.4172021
8	H19	18747	CG3068	8.736805333	0.046063333	189.6694117
8	H20	22749	CG31052	14.07481333	0.043182	325.9416732
8	H21	18745	CG10540	35.20935333	0.04347	809.9690208
8	H22	22753	CG4484	16.22251333	0.042130667	385.0523767
8	H23	18748	CG7413	19.46684333	0.046111667	422.1674197
8	H24	22748	CG4662	15.07034667	0.038252667	393.9685251
8	I01	26769	CG10171	14.57934	0.068930333	211.5083345
8	I02	26675	CG8730	7.458389667	0.064183667	116.2038577
8	I03	26782	CG10220	10.030121	0.073752667	135.9967233
8	I04	26687	CG8733	15.38210333	0.067863333	226.66295
8	I05	26590	CG14183	13.72650333	0.062310667	220.2913894
8	I06	26689	CG8811	11.44396333	0.052771	216.860839
8	I07	26592	CG10494	10.90642133	0.056878333	191.7500161
8	I08	26691	CG8905	14.80983667	0.056561	261.8383103
8	I09	26589	CG13089	17.33975333	0.066136667	262.1806361
8	I10	26693	CG8977	7.598764333	0.069233667	109.7553358
8	I11	26587	CG10198	4.373657333	0.03699	118.2389114
8	I12	26694	CG9020	10.02065467	0.061377	163.2640023
8	I13	26594	CG11375	8.19006	0.061844667	132.4295277
8	I14	26686	CG9127	14.61283333	0.055019333	265.5945183
8	I15	26549	CG11840	14.00072333	0.048852333	286.592725
8	I16	26690	CG8850	13.90107333	0.046975	295.9249246
8	I17	26598	CG11943	9.668720667	0.049200333	196.5173813
8	I18	26720	CG9063	13.09372333	0.049837333	262.7292124
8	I19	26591	CG10315	12.78192667	0.038582667	331.2867609
8	I20	26685	CG9092	14.23892333	0.040019333	355.8011128
8	I21	26595	CG11486	14.51061667	0.042921333	338.0746948
8	I22	21221	CG7234	12.04494667	0.044916333	268.164068
8	I23	26683	CG8714	14.33051667	0.045184333	317.1567579
8	I24	21237	CG7279	13.78183333	0.039108667	352.3984454
8	J01	21232	CG8182	15.01960667	0.074246333	202.2942547
8	J02	18767	CG2411	13.97612667	0.064037667	218.2485308
8	J03	21227	CG7351	17.31475667	0.080750333	214.423346
8	J04	18779	CG6054	14.58233333	0.063982333	227.9118715
8	J05	21228	CG7395	15.11167	0.058984	256.1994778
8	J06	18764	CG1395	0.377414667	0.017871	21.11883312
8	J07	21229	CG7432	13.11333333	0.061682333	212.5946381
8	J08	18761	CG10971	15.37487333	0.058632	262.2266567
8	J09	21230	CG8094	13.81643667	0.051034333	270.7282679
8	J10	18762	CG5169	9.707825667	0.060139667	161.4213414
8	J11	21262	CG7322	14.74194	0.051381333	286.9123677

8	J12	18754	CG4237	14.74961667	0.058419667	252.4769056
8	J13	21223	CG8273	16.5387	0.05232	316.1066514
8	J14	22757	CG4546	12.29480667	0.047153	260.7428301
8	J15	18705	CG7893	24.70455	0.059987667	411.8271534
8	J16	22758	CG4594	14.33652	0.050139333	285.9335984
8	J17	18758	CG10443	15.27556667	0.049481333	308.7137237
8	J18	22759	CG4643	15.20098667	0.04621	328.9544832
8	J19	18759	CG4274	3.684531667	0.023497667	156.8041508
8	J20	22761	CG4700	14.21996667	0.054797	259.5026492
8	J21	18757	CG12235	14.41071667	0.049382333	291.8192741
8	J22	22765	CG4495	13.61142333	0.044215333	307.8439606
8	J23	18760	CG6975	15.99567333	0.044019	363.3811157
8	J24	22760	CG4663	14.02175667	0.042076667	333.2430484
8	K02	26684	CG9042	11.7822	0.072695	162.0771717
8	K03	26794	CG10223	13.17332667	0.067532	195.0679184
8	K04	26688	CG8774	31.45602333	0.122380333	257.0349539
8	K05	26609	CG11876	14.57030667	0.072987667	199.6269689
8	K06	26701	CG8815	17.02059333	0.062774	271.140812
8	K07	26604	CG10508	1.205178	0.057937333	20.80140612
8	K08	26703	CG8907	11.65648467	0.061728667	188.8342207
8	K09	26601	CG13101	13.81214333	0.062156333	222.2161861
8	K1	26781	CG10175	12.92970333	0.056231	229.9390609
8	K10	26705	CG8979	8.237296	0.046902667	175.6253234
8	K11	26548	CG11567	11.93152333	0.057053333	209.1292942
8	K12	26706	CG9021	12.73318333	0.061491	207.0739349
8	K13	26606	CG11376	11.19982233	0.050186	223.1662681
8	K14	26698	CG9135	13.97638	0.049201667	284.0631415
8	K15	26605	CG10602	12.50222	0.051119667	244.5677137
8	K16	26702	CG8858	12.75967333	0.050733	251.5063831
8	K17	26610	CG11964	13.21738533	0.059362333	222.6560951
8	K18	26704	CG8947	11.44863667	0.052095333	219.7631906
8	K19	26603	CG10345	14.20695333	0.051838667	274.0609326
8	K20	21190	CG7297	10.94219667	0.051394667	212.905295
8	K21	26639	CG8725	8.416610333	0.040919	205.6895411
8	K22	21233	CG31221	9.058062333	0.041799667	216.7017839
8	K23	26695	CG8717	14.44393333	0.052819	273.4609389
8	K24	21249	CG7280	12.75746333	0.046852	272.2928228
8	L01	21244	CG30471	14.07207	0.074675	188.4441915
8	L02	18763	CG12008	12.29739333	0.093244333	131.8835461
8	L03	21186	CG8211	24.89419	0.113852333	218.6533141
8	L04	18756	CG4257	7.983066	0.078474667	101.7279377
8	L05	21240	CG7409	11.21790867	0.064846333	172.9921815
8	L06	18776	CG6392	11.46601667	0.073966	155.0173954
8	L07	21241	CG7437	9.857187667	0.05871	167.8962301
8	L08	18773	CG10504	13.80014333	0.070386667	196.0618962
8	L09	21242	CG8100	13.36949667	0.059965333	222.9537622
8	L10	18774	CG1451	11.32554333	0.061068667	185.4558803
8	L11	21236	CG8328	12.15576	0.05309	228.9651535
8	L12	18772	CG18402	11.95223033	0.069988667	170.7737967
8	L13	21222	CG8219	12.30940333	0.05406	227.6989148
8	L14	22769	CG4548	13.93646333	0.053556	260.2222596
8	L15	18789	CG9774	8.156798333	0.057266667	142.4353609
8	L16	22770	CG4598	12.24901667	0.059361	206.3478827
8	L17	18770	CG4636	8.599924333	0.060654	141.7865983

8	L18	22771	CG4644	10.18420067	0.053982667	188.6568652
8	L19	18771	CG17498	8.517442333	0.052947333	160.8663137
8	L20	22773	CG4703	10.93325333	0.047336667	230.96796
8	L21	18769	CG17158	29.52826333	0.048896667	603.891131
8	L22	22777	CG4501	11.51012	0.049015	234.8285219
8	L23	18765	CG10023	11.62126667	0.046833333	248.1409253
8	L24	22772	CG4673	6.380215	0.052645333	121.1924134
8	M01	26793	CG10184	15.09909	0.072444333	208.4233411
8	M02	26696	CG9060	13.61824	0.059048333	230.628694
8	M03	26806	CG10230	3.825858667	0.054148667	70.65471603
8	M04	26700	CG8777	17.42551667	0.058339	298.6941269
8	M05	26614	CG33075	14.62769667	0.064557667	226.5834164
8	M06	26713	CG8824	17.96253	0.060810333	295.386146
8	M07	26616	CG10510	16.95807667	0.060888333	278.5110996
8	M08	26715	CG8909	16.91804	0.072828	232.3013127
8	M09	26613	CG13164	17.63842333	0.054265333	325.0403573
8	M10	26717	CG8985	16.68309333	0.054322667	307.1110893
8	M11	26560	CG11594	18.41083667	0.064406667	285.8529655
8	M12	26718	CG9022	8.555302333	0.052428	163.181932
8	M13	26618	CG11397	17.56195667	0.080146	219.124556
8	M14	26699	CG8739	16.68887667	0.061594333	270.9482474
8	M15	26573	CG11861	15.35302333	0.054564	281.3764265
8	M16	26714	CG8863	34.50957	0.055653333	620.0809176
8	M17	26622	CG11970	16.62709333	0.084492	196.7889662
8	M18	26716	CG8952	15.46439333	0.045663667	338.658598
8	M19	26612	CG12785	8.735456333	0.058177	150.1530903
8	M20	21226	CG32542	15.58328	0.045986667	338.8651783
8	M21	26651	CG8727	19.11305333	0.051576	370.5803733
8	M22	21245	CG31175	18.89462667	0.053371	354.0242204
8	M23	26707	CG8721	15.67319333	0.044847333	349.4788245
8	M24	21261	CG7285	15.2467	0.048205667	316.2843926
8	N01	21256	CG8190	11.43757833	0.073488667	155.6373092
8	N02	18775	CG5490	15.76571667	0.072168333	218.4575414
8	N03	21198	CG30091	16.54155	0.071540333	231.2199179
8	N04	18768	CG10954	8.904078667	0.073873333	120.5317029
8	N05	21252	CG7411	15.53416667	0.068729667	226.0183618
8	N06	18788	CG5971	13.36714	0.064506667	207.2210624
8	N07	21253	CG7440	15.69141	0.060857	257.8406757
8	N08	18743	CG2125	15.77029333	0.050461	312.5243918
8	N09	21254	CG8102	18.41305333	0.061649667	298.6723908
8	N10	18786	CG13503	8.382491333	0.053333667	157.1707302
8	N11	21248	CG8337	15.73537333	0.049939333	315.0897756
8	N12	18784	CG4141	15.39436333	0.053704333	286.6503013
8	N13	21234	CG8221	19.06735	0.055085	346.1441409
8	N14	22781	CG4563	15.17654	0.057450667	264.1664733
8	N15	18729	CG5884	19.16248	0.055300667	346.5144483
8	N16	22782	CG4606	13.61847667	0.051612333	263.8608989
8	N17	18782	CG8978	8.937383667	0.058427333	152.965798
8	N18	22783	CG4645	11.39565	0.051933667	219.4270255
8	N19	18783	CG12306	3.966706	0.066046333	60.05944312
8	N20	22785	CG4705	18.79007333	0.054519667	344.6476195
8	N21	18781	CG5061	45.10162333	0.053709333	839.7353036
8	N22	22789	CG4511	16.90411333	0.046172	366.1117849
8	N23	18777	CG10295	15.28033	0.051673333	295.7101664

8	N24	22796	CG4675	18.32249333	0.046990333	389.9204801
8	O01	26805	CG10186	17.81820333	0.092529	192.5688523
8	O02	26708	CG9062	15.77894667	0.095994333	164.3737304
8	O03	26816	CG10142	15.26048667	0.087756333	173.8961291
8	O04	26709	CG9098	13.18747667	0.062095333	212.3746819
8	O05	26633	CG14513	29.37305667	0.056591667	519.0350169
8	O06	26725	CG8825	12.36080333	0.073208333	168.8442117
8	O07	26588	CG12750	7.690241	0.151829667	50.6504504
8	O08	26727	CG32561	11.81936	0.068167	173.3882964
8	O09	26625	CG13168	12.60216333	0.061241333	205.7787224
8	O10	26729	CG8988	12.89266667	0.073064667	176.4555599
8	O11	26623	CG10249	11.434329	0.061077667	187.2096566
8	O12	26730	CG9025	9.738421333	0.067166667	144.9889032
8	O13	26630	CG32628	12.99375	0.061744667	210.4432772
8	O14	26722	CG9148	14.29334333	0.053830667	265.5241746
8	O15	26585	CG30011	15.48595	0.061899333	250.1795927
8	O16	26724	CG8783	15.21638667	0.052625333	289.1456586
8	O17	26600	CG12781	13.19805667	0.054648	241.5103328
8	O18	26728	CG8956	13.74183667	0.050911	269.9188126
8	O19	26627	CG10366	15.29848	0.056965333	268.5577193
8	O20	21214	CG7304	14.65494667	0.048675	301.0774867
8	O21		wtg	65.56901333	0.039089667	1677.400165
8	O22		HFA17794	1.514504667	0.011421667	132.5992704
8	O23		hpo	36.58067333	0.044265	826.4017471
8	O24		Luc	1.789638	0.043177	41.44887324
8	P01	21250	CG7320	14.53832667	0.086727333	167.6325803
8	P02	18787	CG8789	13.75888333	0.079572	172.9111161
8	P03	21255	CG8155	11.95944	0.071136667	168.1192072
8	P04	18796	CG4006	10.41940667	0.070032333	148.7799445
8	P05	21264	CG7422	12.52362	0.067501333	185.5314463
8	P06	18799	CG8610	6.856729667	0.060043333	114.1963526
8	P07	21265	CG7446	12.34024667	0.061799	199.6835979
8	P08	18755	CG1708	12.6012	0.058452667	215.5795572
8	P09	21246	CG8237	12.57508333	0.065924667	190.7492896
8	P10	18798	CG15112	11.88418667	0.055981	212.2896459
8	P11	21260	CG8344	3.916930333	0.100446	38.99538392
8	P12	18790	CG10539,CG32415	11.16181567	0.049341	226.2178648
8	P13	21259	CG8299	11.69804	0.072419667	161.5312599
8	P14	22793	CG4569	12.57244333	0.054929667	228.882571
8	P15	18741	CG9900	13.85057667	0.062019333	223.3267583
8	P16	22794	CG4615	7.883417333	0.060637	130.0100159
8	P17	18794	CG1560	8.826481667	0.040888333	215.8679737
8	P18	22795	CG4648	12.66981	0.053631	236.2404207
8	P19	18795	CG4488	8.704137333	0.045260667	192.3112931
8	P20	22797	CG4707	14.68810333	0.048159667	304.9876453
8	P21		wtg	58.66606333	0.039229333	1495.464193
8	P22		HFA17794	1.291399333	0.012634667	102.2107957
8	P23		hpo	43.86782667	0.039284333	1116.674841
8	P24		Luc	2.048408667	0.049294667	41.55436694
9	A01		DIAP1	0.615125333	0.00925	66.50003604
9	A02		ex/ft	57.84475667	0.059307333	975.339025
9	A03		Luc	1.529989333	0.074403667	20.56335933
9	A04		hpo	41.36239	0.057443667	720.0513547
9	A05	22714	CG4717	11.72216667	0.069719667	168.1328559

9	A06	18425	CG4221	10.69891	0.065757333	162.7029178
9	A07	22716	CG4810	8.423201333	0.070847667	118.8917254
9	A08	18426	CG4241	14.17865667	0.059385333	238.756876
9	A09	22706	CG4830	12.39626333	0.060128333	206.1634282
9	A10	18427	CG4301	13.34627667	0.057147667	233.5401854
9	A11	22707	CG4852	14.34697333	0.059139333	242.5961289
9	A12	18428	CG4351	12.90397333	0.052464	245.9586256
9	A13	26347	CG15590	14.85847667	0.056803333	261.5775483
9	A14	18418	CG5021	12.11221	0.061180667	197.9744691
9	A15	26352	CG15628	11.82213	0.060477667	195.4792678
9	A16	18419	CG5091	12.63094	0.060730333	207.9840387
9	A17	26348	CG15779,CG3171	12.88631	0.046887333	274.8356344
9	A18	18420	CG5127	12.06724333	0.044517333	271.0684228
9	A19	26351	CG15601	15.54107667	0.052312333	297.0824598
9	A20	18447	CG4162	12.82454333	0.044637333	287.3053199
9	A21	26370	CG15760	14.04282333	0.046755333	300.3469836
9	A22	18225	CG1907	14.88326667	0.055362667	268.8321853
9	A23	26381	CG15742,CG1771	17.89690333	0.047105667	379.9310062
9	A24	18230	CG2017	13.51618667	0.063863667	211.6412566
9	B01		DIAP1	0.579873	0.010021667	57.86193248
9	B02		ex/ft	50.65169667	0.072162667	701.9099904
9	B03		Luc	1.922397667	0.075895333	25.32958987
9	B04		hpo	45.12547	0.073607667	613.0539391
9	B05	18231	CG2060	12.99497333	0.073691667	176.3425082
9	B06	18522	CG5411	15.09495667	0.076419	197.5288432
9	B07	18234	CG2165	10.29939333	1.078769	9.547357528
9	B08	18516	CG5608	13.45600333	0.062430333	215.5363045
9	B09	18226	CG2321	13.36292667	0.070077333	190.6882872
9	B10	18520	CG5339	13.75359	0.059666	230.5096705
9	B11	18227	CG2507	13.6784	0.066621333	205.3156146
9	B12	18521	CG5364	7.749401333	0.06673	116.1306958
9	B13	18228	CG2656	15.16831	0.058073	261.1938422
9	B14	18584	CG5510	12.95294	0.060839	212.9052088
9	B15	18236	CG2224	14.03932	0.062119	226.0068578
9	B16	18033	CG3980	12.48485	0.049298333	253.2509551
9	B17	18245	CG2126	12.20471667	0.056535667	215.8764084
9	B18	18041	CG5171	13.58600667	0.054699333	248.3760923
9	B19	18519	CG5295	15.50947667	0.060981	254.3329343
9	B20	18040	CG5080	12.80699667	0.050858667	251.8154231
9	B21	18513	CG5202	12.83379333	0.045895667	279.6297399
9	B22	18042	CG5227	14.45955333	0.040376	358.122482
9	B23	18517	CG5231	17.89425333	0.042001667	426.0367446
9	B24	18038	CG4288	13.77065667	0.049427667	278.6021998
9	C01	22727	CG4774	18.72948667	0.07607	246.2138381
9	C02	18422	CG4097	1.057887667	0.020655667	51.2153727
9	C03	22708	CG4897	1.272943333	0.048216667	26.40048393
9	C04	18424	CG4180	11.84630333	0.054390333	217.8016314
9	C05	22726	CG32568	11.25994333	0.050469333	223.1046576
9	C06	18437	CG4225	16.01262667	0.059492333	269.1544569
9	C07	22728	CG4816	14.42102333	0.057156333	252.3084056
9	C08	18438	CG4265	15.14576667	0.061182	247.5526571
9	C09	22718	CG30104	14.47813667	0.059536	243.1828921
9	C10	18439	CG4306	14.79932667	0.060603333	244.199879
9	C11	22719	CG4859	16.45426333	0.056941	288.9703963

9	C12	18440	CG4357	16.57167667	0.058785333	281.9015514
9	C13	26359	CG15591	14.69971333	0.051457333	285.6679968
9	C14	18430	CG5025	13.79201	0.05374	256.6432825
9	C15	26364	CG15631	15.43371667	0.056035667	275.4266628
9	C16	18431	CG5096	12.09277	0.061791	195.7043906
9	C17	26360	CG15812	16.84167667	0.060351333	279.0605565
9	C18	18506	CG4143	9.900080333	0.036559	270.7973504
9	C19	26362	CG15889	14.36705667	0.055235333	260.1062726
9	C20	18459	CG4164	12.40268333	0.044732667	277.2623288
9	C21	26380	CG32150	13.68614667	0.052738333	259.510413
9	C22	18237	CG1911	12.72201333	0.062775667	202.6583549
9	C23	26377	CG15650	19.10859667	0.060595	315.3493963
9	C24	18229	CG1966	25.02496	0.053347667	469.0919315
9	D01	18242	CG2023	20.70050333	0.073214333	282.7383982
9	D02	18515	CG5565	16.85889667	0.063346667	266.1370764
9	D03	18244	CG2103	14.48340333	0.067970667	213.0831437
9	D04	18523	CG5446	11.46997333	0.064766	177.0986835
9	D05	18243	CG2069	14.71164333	0.075879667	193.881233
9	D06	18534	CG5412	15.48895667	0.064512	240.0941944
9	D07	18246	CG2168	2.262444333	0.048806333	46.35554812
9	D08	18528	CG6254	18.39668	0.076704667	239.8378195
9	D09	18238	CG2371	16.48816333	0.055846667	295.239883
9	D10	18532	CG33099	12.19756667	0.054849333	222.3831344
9	D11	18259	CG2199	16.00613667	0.06104	262.2237331
9	D12	18598	CG5560	11.87007833	0.053547333	221.6744998
9	D13	18240	CG2662	14.92524333	0.065552	227.6855524
9	D14	18596	CG5515	13.50248333	0.056372667	239.5218132
9	D15	18307	CG2218	17.29012	0.058384333	296.1431434
9	D16	18045	CG3991	17.71591333	0.050220333	352.7637544
9	D17	18257	CG2128	14.72094333	0.059723333	246.4856282
9	D18	18053	CG5174	15.62767667	0.047088667	331.8776634
9	D19	18531	CG5304	15.52408333	0.051791667	299.7409493
9	D20	18097	CG4230	16.66504667	0.04809	346.5387121
9	D21	18601	CG5258	10.65404	0.046499	229.1240672
9	D22	18054	CG5252	18.13004333	0.042151	430.1213099
9	D23	18529	CG5235	15.50101667	0.038066333	407.2106586
9	D24	18050	CG4291	16.69893	0.047030333	355.0672261
9	E01	22739	CG4785	36.01028333	0.076876333	468.4183255
9	E02	18434	CG4108	16.17134667	0.094388	171.3284175
9	E03	22720	CG4899	21.14644	0.074285667	284.6637979
9	E04	18436	CG4180,CG4182	22.99405333	0.067236667	341.9868128
9	E05	22738	CG4726	22.32560333	0.061142667	365.1395098
9	E06	18449	CG4226	17.9533	0.064497333	278.3572447
9	E07	22740	CG4820	17.41589667	0.063358333	274.8793371
9	E08	18450	CG4266	17.39477	0.080809333	215.2569423
9	E09	22730	CG4841	13.55347	0.05933	228.4421035
9	E10	18451	CG4307	14.80887	0.038434333	385.3031578
9	E11	22731	CG4860	21.76828	0.052823	412.0985177
9	E12	18452	CG4365	17.70151667	0.062335667	283.9709209
9	E13	26371	CG15592	19.28344333	0.057251	336.8228211
9	E14	18442	CG5028	18.33040333	0.059142333	309.9371009
9	E15	26376	CG15633	19.31145667	0.049204333	392.4747143
9	E16	18443	CG5103	14.7569	0.046464667	317.5940141
9	E17	26372	CG15820	19.49715667	0.059659333	326.8081552

9	E18	18444	CG5154	18.26166	0.045846	398.3261353
9	E19	26374	CG32918	26.19504667	0.057841667	452.8750324
9	E20	18471	CG4165	18.95265667	0.050920667	372.1996963
9	E21	26394	CG15768	20.26846333	0.053200333	380.9837658
9	E22	18313	CG2010	8.033651333	0.052376333	153.3832329
9	E23	26389	CG10540,CG15653	22.80054333	0.049764	458.1734453
9	E24	18241	CG1969	19.60549333	0.046740333	419.4555737
9	F01	18254	CG2025	19.02926667	0.074683	254.8005124
9	F02	18524	CG5482	17.36282333	0.073611333	235.8716049
9	F03	18256	CG2107	20.59337333	0.068449	300.8571832
9	F04	18535	CG5447	24.22247333	0.060153	402.6810522
9	F05	18255	CG2070	15.64472	0.065706	238.1018476
9	F06	18546	CG31256	8.319846333	0.056953333	146.0818155
9	F07	18258	CG2171	19.65224667	0.062988	311.9998518
9	F08	18540	CG6259	16.35047	0.070314667	232.5328523
9	F09	18250	CG30349	10.46349733	0.075182667	139.174331
9	F10	18544	CG5343	15.75723	0.060853667	258.9364103
9	F11	18295	CG2216	8.260673	0.065917667	125.3180432
9	F12	18545	CG5389	17.39783667	0.05428	320.5202039
9	F13	18252	CG2663	21.04110333	0.058353	360.5830606
9	F14	18039	CG4347	16.49690333	0.055598667	296.7140099
9	F15	18260	CG2254	23.68747667	0.052016333	455.3853597
9	F16	18057	CG4001	13.63474333	0.058126	234.5721937
9	F17	18269	CG2135	21.43772333	0.051556	415.8143249
9	F18	18065	CG5186	16.94283333	0.052336667	323.727788
9	F19	18543	CG5316	19.62276	0.061132667	320.9864884
9	F20	18064	CG5105	19.61516333	0.051758	378.9783866
9	F21	18537	CG5210	17.17701667	0.045341333	378.8379257
9	F22	18066	CG5261	24.88224667	0.046980333	529.6311222
9	F23	18541	CG5237	18.87234667	0.046210333	408.401007
9	F24	18062	CG4293	19.77694333	0.039143	505.2485332
9	G01	22751	CG4789	18.75089667	0.072966333	256.9801141
9	G02	18446	CG4119	8.511147	0.084608333	100.5946656
9	G03	22732	CG4900	17.42403667	0.070363667	247.6283214
9	G04	18493	CG4082	13.35401	0.080366333	166.1642313
9	G05	22750	CG4735	18.18024667	0.091547667	198.5877667
9	G06	18461	CG4233	18.10948667	0.069181333	261.7683961
9	G07	22752	CG4822	14.76203333	0.068915	214.2063895
9	G08	18462	CG4267	15.85209	0.069033	229.6306114
9	G09	22742	CG4843	8.328153667	0.065579333	126.9935701
9	G10	18463	CG4314	15.57753	0.056263333	276.8682386
9	G11	22743	CG4863	2.031495333	0.054194333	37.48538285
9	G12	18464	CG5001	15.39551667	0.062528667	246.2153359
9	G13	26414	CG15678	15.44850333	0.074758333	206.6459035
9	G14	18454	CG32146	11.00310633	0.062448333	176.1953562
9	G15	26401	CG15654	16.87146	0.052140667	323.5758397
9	G16	18455	CG5109	18.48096333	0.054849667	336.9384803
9	G17	26439	CG15704	6.260623667	0.048016	130.3861977
9	G18	18456	CG5160	15.36887333	0.050505	304.3039963
9	G19	26386	CG15896,CG32918	17.87778333	0.060546333	295.2744179
9	G20	18483	CG4166	21.01179333	0.045215	464.708467
9	G21	26403	CG15701,CG15706	18.60346333	0.053724333	346.2762994
9	G22	18261	CG1937	14.49644667	0.039055667	371.1739654
9	G23	18433	CG4065	18.51619667	0.054370333	340.5569827

9	G24	18253	CG1970	17.95061	0.043615	411.5696435
9	H01	18266	CG2031	20.84259	0.082621	252.2674623
9	H02	18539	CG5568	16.38797333	0.076722	213.602009
9	H03	18268	CG2108	16.22631	0.069991333	231.8331317
9	H04	18547	CG31149	13.86889333	0.062338333	222.4777692
9	H05	18267	CG2075	14.22371	0.060800333	233.9413161
9	H06	18558	CG5427	15.60676667	0.055209333	282.6834835
9	H07	18270	CG31030	12.82340333	0.06355	201.7844742
9	H08	18552	CG6262	14.17699333	0.061089	232.0711312
9	H09	18293	CG32687	16.39130333	0.062190667	263.565326
9	H10	18556	CG5346	12.61948667	0.052693667	239.487731
9	H11	18283	CG2212	17.33054333	0.048615667	356.480627
9	H12	18557	CG5390	18.8463	0.059656	315.9162532
9	H13	18305	CG2157	18.19094667	0.059702333	304.6940656
9	H14	18051	CG32707	16.50673333	0.058175333	283.7411045
9	H15	18317	CG2161	17.69694333	0.057553667	307.4859407
9	H16	18069	CG4008	14.71170667	0.057639667	255.235804
9	H17	18281	CG2140	18.60412667	0.054127333	343.7103866
9	H18	18077	CG5193	12.36315333	0.031655333	390.5551461
9	H19	18555	CG5319	15.62033333	0.062140333	251.3718948
9	H20	18076	CG5119	4.141436667	0.042327667	97.8423096
9	H21	18549	CG5212	15.79606667	0.046674	338.4339604
9	H22	18078	CG5284	23.93354667	0.049741667	481.1569107
9	H23	18553	CG5241	14.96266667	0.058046667	257.7696107
9	H24	18121	CG18740	13.98299	0.073671667	189.8014614
9	I01	22763	CG31299	20.80076667	0.086128	241.5099232
9	I02	18469	CG4071	18.46384667	0.083389	221.4182526
9	I03	22744	CG4901	19.10976	0.083315333	229.3666632
9	I04	18460	CG4192	16.39828667	0.067205333	244.0027577
9	I05	22762	CG4742	14.73790333	0.077068	191.2324614
9	I06	18473	CG18734	14.09283	0.072372667	194.7258634
9	I07	22764	CG4824	18.05051	0.091018667	198.3165724
9	I08	18474	CG4270	14.39609667	0.069938333	205.8398589
9	I09	22754	CG4847	17.42656667	0.083699	208.2051956
9	I10	18475	CG4322	15.34219667	0.060556667	253.3527275
9	I11	22755	CG4879	15.96013	0.071848667	222.1353679
9	I12	18476	CG5002	15.87822333	0.073473	216.1096366
9	I13	26395	CG15594	19.69282	0.068144333	288.9869052
9	I14	18466	CG5032	15.54381333	0.064637667	240.4760898
9	I15	26400	CG15636	15.30176	0.059455	257.3670843
9	I16	18467	CG5114	11.71943667	0.064734	181.0398966
9	I17	26361	CG30181,CG33151	17.807	0.061993667	287.239019
9	I18	18468	CG5168	16.03986667	0.056212333	285.3442602
9	I19	26399	CG30460	16.13713667	0.053512333	301.5592044
9	I20	18495	CG4168	14.63064667	0.0512	285.7548177
9	I21	26415	CG33017	16.65900333	0.054886667	303.5163974
9	I22	18273	CG1939	13.16591	0.052569	250.4500751
9	I23	18445	CG4069	15.19942667	0.052369333	290.2352522
9	I24	18265	CG1971	18.52103333	0.049456	374.4951742
9	J01	18278	CG2040	17.02187333	0.090836333	187.3905816
9	J02	18548	CG5494	18.30701333	0.087639667	208.889582
9	J03	18280	CG2109	14.63220667	0.071295333	205.2337226
9	J04	18550	CG5535	15.82278	0.072668333	217.7396849
9	J05	18279	CG32488	15.35066667	0.081361333	188.672752

9	J06	18570	CG5428	14.24191667	0.061269	232.4489818
9	J07	18282	CG2177	21.65985333	0.068876667	314.4730194
9	J08	18564	CG31729	14.17575	0.068916333	205.6950699
9	J09	18274	CG2448	14.05488	0.063878	220.0269263
9	J10	18568	CG5352	10.01770967	0.10077	99.41162714
9	J11	18275	CG2614	16.79497333	0.063775667	263.3445358
9	J12	18569	CG5395	17.69861667	0.063983333	276.61292
9	J13	18276	CG2670	8.536896333	0.051394667	166.1047126
9	J14	18063	CG4364	10.06283433	0.069849667	144.0641711
9	J15	18284	CG2261	23.59955667	0.0731	322.8393525
9	J16	18081	CG4016	16.15869667	0.062479333	258.6246652
9	J17	18518	CG5262	15.58436333	0.053332333	292.2122915
9	J18	18089	CG5196	16.66496333	0.067011667	248.6874922
9	J19	18567	CG5330	10.371511	0.058463333	177.4019784
9	J20	18088	CG31441	16.87289333	0.061089333	276.2003187
9	J21	18561	CG5216	12.41782	0.061403	202.2347442
9	J22	18037	CG4104	16.98107333	0.058098667	292.2799146
9	J23	18602	CG5290	16.47875667	0.045727667	360.3673196
9	J24	18086	CG4303	10.103538	0.064907	155.6617622
9	K02	18481	CG4076	22.74114	0.083785333	271.4214898
9	K03	22756	CG4907	15.25108333	0.07577	201.2812899
9	K04	18472	CG4203	20.6062	0.074133	277.9625808
9	K05	22774	CG4753	16.46410667	0.085742667	192.0176653
9	K06	18485	CG4236	18.21331667	0.078967667	230.6427103
9	K07	22776	CG4825	51.12373	0.082268333	621.4265918
9	K08	18486	CG4272	16.97338	0.094152	180.2763616
9	K09	22766	CG4848	14.91135	0.087478667	170.4569876
9	K1	22775	CG4797	11.90870333	0.065256	182.4920825
9	K10	18487	CG4323	22.37566333	0.054056	413.93487
9	K11	22767	CG4881	15.06662	0.057435667	262.32167
9	K12	18488	CG5004	14.83872333	0.056909333	260.743229
9	K13	26409	CG15882	16.98712	0.062563667	271.5173343
9	K14	18478	CG5047	14.88436667	0.063828	233.1949406
9	K15	26437	CG30393	17.68342	0.055004667	321.4894494
9	K16	18479	CG5122	16.69969667	0.051156667	326.4422363
9	K17	26408	CG32986	15.65481333	0.05285	296.2121728
9	K18	18480	CG5181	14.82043533	0.056842333	260.7288347
9	K19	26410	CG15902	15.52929667	0.052226667	297.3442047
9	K20	18507	CG4174	14.30828667	0.050810333	281.6019051
9	K21	26430	CG15777	16.33595667	0.054444333	300.048796
9	K22	18285	CG1944	17.89021	0.054344	329.2030399
9	K23	18457	CG4070	16.99989	0.061097333	278.2427493
9	K24	18277	CG1972	21.91382667	0.054214	404.2097367
9	L01	18290	CG2045	18.88487667	0.08931	211.4531034
9	L02	18563	CG32191	16.98251667	0.084634333	200.6575346
9	L03	18292	CG2112	15.17217667	0.077469333	195.8475182
9	L04	18562	CG5537	13.90842333	0.082699	168.1812759
9	L05	18291	CG2081	14.74165667	0.071173	207.124284
9	L06	18582	CG5432	14.80120667	0.073896333	200.2969024
9	L07	18294	CG2179	18.53622	0.074563667	248.5958756
9	L08	18576	CG33106	6.941231667	0.078318333	88.62843949
9	L09	18286	CG2478	18.86311667	0.066962333	281.6974219
9	L10	18580	CG5353	13.62802333	0.067516	201.8487963
9	L11	18287	CG2641	15.66015	0.074632667	209.8296992

9	L12	18581	CG5398	13.57909	0.059938667	226.5497509
9	L13	18288	CG2675	15.67885333	0.054188667	289.338238
9	L14	18073	CG4148	15.68421333	0.064979333	241.3723338
9	L15	18296	CG32688	14.98393333	0.068005667	220.3335997
9	L16	18093	CG4059	19.62617333	0.062484667	314.0958315
9	L17	18530	CG5263	12.78133333	0.055701	229.4632652
9	L18	18101	CG5208	6.413478667	0.036971	173.4732268
9	L19	18579	CG5333	17.04058667	0.056943333	299.255166
9	L20	18100	CG5165	16.28251667	0.052915	307.710794
9	L21	18573	CG5219	19.94046667	0.051736333	385.4248143
9	L22	18111	CG5033	11.59751	0.061010667	190.089875
9	L23	18577	CG31156	15.64951	0.052807667	296.3492043
9	L24	18098	CG4321	13.77695333	0.048615	283.3889403
9	M01	22787	CG4798	22.84927667	0.108022667	211.5229828
9	M02	18482	CG31657	14.98012333	0.075479333	198.466556
9	M03	22768	CG4912	14.75597333	0.065776333	224.335602
9	M04	18505	CG4091	15.23327333	0.063827	238.6650373
9	M05	22786	CG4757	16.01975667	0.065320333	245.2491567
9	M06	18497	CG4238	17.77167333	0.058814333	302.1656852
9	M07	22788	CG31743	18.95415333	0.067371667	281.3371595
9	M08	18498	CG4294	11.19692	0.068721	162.933019
9	M09	22778	CG31054,CG31131,CG4849	9.137034333	0.072322	126.3382419
9	M10	18499	CG4326	18.26762	0.059231	308.413162
9	M11	22779	CG4882	18.31508	0.078176333	234.279087
9	M12	18500	CG5013	17.68857	0.058301667	303.39733
9	M13	26419	CG15596	17.01158	0.055913333	304.249076
9	M14	18490	CG5058	16.00036	0.057693	277.3362453
9	M15	26424	CG15638,CG9239	14.76205	0.053967333	273.5367692
9	M16	18491	CG5124	15.87042333	0.059638333	266.1111142
9	M17	26420	CG15867	17.10163333	0.057662	296.5841166
9	M18	18492	CG5198	14.1529	0.051129333	276.8058779
9	M19	26423	CG15614	16.03218667	0.049297333	325.2140751
9	M20	18508	CG4217	18.68391	0.051482333	362.9188654
9	M21	26442	CG15778	17.50367	0.045851667	381.7455563
9	M22	18297	CG30493	15.51283	0.048853333	317.5388237
9	M23	18417	CG4025	16.85579667	0.045085	373.8670659
9	M24	18289	CG1998	16.40327667	0.051527	318.3433281
9	N01	18302	CG2051	22.85361	0.089105333	256.4785871
9	N02	18575	CG5591	8.898607667	0.075555667	117.7755165
9	N03	18304	CG2113	16.15157333	0.066965667	241.1918545
9	N04	18583	CG5472	18.50139	0.064551	286.6166287
9	N05	18303	CG2083	12.24549	0.066386667	184.4570697
9	N06	18594	CG5441	17.93312333	0.062189	288.364877
9	N07	18306	CG2183	17.86508667	0.071695333	249.1806068
9	N08	18588	CG6287	20.01129333	0.066604667	300.4488174
9	N09	18298	CG2503	15.63142333	0.071851333	217.5523071
9	N10	18592	CG5354	17.08981667	0.065608	260.4837317
9	N11	18299	CG2647	17.77071333	0.060025	296.0551992
9	N12	18599	CG5602	15.00225667	0.059946333	250.2614561
9	N13	18300	CG2677	16.71741333	0.051745667	323.068856
9	N14	18087	CG5018	11.31971533	0.063952333	177.002382
9	N15	18319	CG2222	16.14907667	0.067151	240.4889974
9	N16	18105	CG4062	17.31765333	0.056502	306.4962892
9	N17	18542	CG5266	1.485731	0.021556333	68.92317803

9	N18	18113	CG5214	17.47359667	0.052900667	330.3095739
9	N19	18591	CG5335	20.79005667	0.054996667	378.0239408
9	N20	18112	CG5166	19.13425333	0.152496667	125.4732562
9	N21	18585	CG5220	17.07286667	0.049742667	343.2237918
9	N22	18061	CG4118	17.5351	0.057747333	303.6521167
9	N23	18589	CG5254	20.84027667	0.046556	447.6389008
9	N24	18123	CG5037	17.36445667	0.045811333	379.0428133
9	O01	22799	CG4807	20.50739667	0.091267333	224.6959116
9	O02	18494	CG32763	11.54138	0.078855333	146.3614382
9	O03	22780	CG4913	8.50784	0.051672333	164.6498126
9	O04	18496	CG4215	12.22291	0.074570333	163.9111622
9	O05	22798	CG4758	12.89255	0.073238667	176.0347449
9	O06	18509	CG4239	7.224144	0.087094333	82.9462001
9	O07	22800	CG4829	15.62850333	0.079716333	196.0514575
9	O08	18510	CG4300	15.37152	0.060279	255.0062211
9	O09	22790	CG4851	15.58246	0.068627333	227.0590921
9	O10	18511	CG4332	15.59439667	0.062521667	249.4238797
9	O11	22791	CG4894	11.331259	0.059724333	189.7260022
9	O12	18512	CG5017	12.42358333	0.060663	204.7967185
9	O13	26433	CG15887	17.29503667	0.062348333	277.3937288
9	O14	18502	CG5064	8.062256333	0.057221667	140.8951679
9	O15	26436	CG15642	14.54418667	0.057008333	255.1238708
9	O16	18503	CG5126	12.12634667	0.054108	224.1137478
9	O17	26397	CG15878	14.56896333	0.055176	264.0452975
9	O18	18504	CG5201	14.17849	0.050787667	279.1719118
9	O19	26435	CG15615	12.95562333	0.055435	233.7083672
9	O20	18301	CG2004	13.66870667	0.056722333	240.9757474
9	O21		wts	61.93979667	0.042907667	1443.560125
9	O22		HFA17794	1.445751333	0.012526667	115.4138904
9	O23		hpo	42.32565333	0.043636667	969.9561531
9	O24		Luc	2.245071333	0.050324667	44.61174772
9	P01	18314	CG2056	11.528542	0.085092333	135.4827344
9	P02	18587	CG5599	13.54296667	0.081805	165.5518204
9	P03	18316	CG2121	13.02722333	0.076888333	169.4304294
9	P04	18586	CG5547	11.89088333	0.051966333	228.818979
9	P05	18315	CG2091	9.841760667	0.071666333	137.3275318
9	P06	18606	CG32849	11.26266333	0.077630333	145.080703
9	P07	18318	CG2185	11.834868	0.073607	160.7845449
9	P08	18600	CG6293	12.294618	0.061780333	199.0053685
9	P09	18310	CG2505	11.748705	0.072526	161.9930094
9	P10	18607	CG4091,CG5479	11.61791667	0.078026667	148.8967447
9	P11	18311	CG31472	11.37705333	0.080596333	141.1609296
9	P12	18605	CG5410	10.830272	0.069522	155.7819395
9	P13	18312	CG2680	12.37816333	0.056476	219.175638
9	P14	18099	CG5029	12.27189667	0.053373	229.9270543
9	P15	18320	CG2316	13.83215333	0.060496667	228.643231
9	P16	18117	CG4088	12.75093	0.061969333	205.761936
9	P17	18590	CG5287	8.128619333	0.063698	127.6118455
9	P18	18125	CG5226	13.04652	0.062194	209.7713606
9	P19	18597	CG5224	11.087492	0.057506333	192.8047114
9	P20	18109	CG31671	11.57542	0.052310667	221.2822114
9	P21		wts	65.84283667	0.039394	1671.392513
9	P22		HFA17794	1.224707333	0.011624333	105.3572104
9	P23		hpo	41.69981667	0.040212	1036.99932

9	P24		Luc	1.764199	0.058984667	29.90945104
10	A01		DIAP1	0.597261333	0.010332333	57.80507791
10	A02		ex/ft	49.84207	0.060875333	818.7564202
10	A03		Luc	1.791197	0.071104	25.19122694
10	A04		hpo	44.38755	0.059414333	747.0848785
10	A05	18043	CG5355	14.84321667	0.060295	246.1765763
10	A06	18994	CG2718	14.56629	0.06139	237.2746376
10	A07	18034	CG5486	12.21973667	0.058529333	208.7797002
10	A08	19080	CG3688	11.275704	0.055900667	201.7096516
10	A09	18035	CG5525	10.50232467	0.062399333	168.3082832
10	A10	19838	CG18212,CG7655	11.81448667	0.062245667	189.8041631
10	A11	18993	CG1895	13.06210667	0.057646333	226.5904163
10	A12	19841	CG7737	11.70697733	0.05373	217.8853031
10	A13	19000	CG2129	14.85848667	0.056793667	261.6222466
10	A14	19842	CG7759	15.20658667	0.053568667	283.8709196
10	A15	19001	CG2275	28.00111667	0.114634667	244.2639516
10	A16	19844	CG33206	13.87341333	0.050701333	273.6301478
10	A17	18998	CG2003	13.82215667	0.055627667	248.4762978
10	A18	19843	CG7780	11.46585667	0.047769	240.0271445
10	A19	18999	CG31000	14.94663333	0.049219333	303.6740305
10	A20	19834	CG7220,CG7614	15.09357667	0.050631	298.1093928
10	A21	19004	CG2650	15.58776333	0.057275	272.1564964
10	A22	19846	CG7857	16.50510667	0.050286	328.2246881
10	A23	18997	CG1941	14.65037333	0.051164667	286.337707
10	A24	19840	CG31231,CG7700	15.54161667	0.059081	263.0560868
10	B01		DIAP1	0.618422333	0.012283	50.34782491
10	B02		ex/ft	51.65244	0.066896	772.1304712
10	B03		Luc	1.928309667	0.079082667	24.38346793
10	B04		hpo	46.67684333	0.06868	679.6278878
10	B05	20803	CG3320	3.561142	0.067135667	53.0439657
10	B06	22230	CG2967	15.18972333	0.061659333	246.3491334
10	B07	20799	CG2005	14.80551	0.062265	237.7822212
10	B08	22231	CG3041	12.19723333	0.061194667	199.3185681
10	B09	20792	CG14396	14.1191	0.071062333	198.68613
10	B10	22234	CG3429	15.62186667	0.059175333	263.9928799
10	B11	20797	CG1609	12.79437667	0.057144	223.8971137
10	B12	22235	CG3593	12.33420333	0.059061667	208.8360189
10	B13	20798	CG1848	15.36591667	0.071201	215.8104053
10	B14	22227	CG4620	14.69901667	0.056210667	261.4987072
10	B15	20801	CG2835	15.10232667	0.052948	285.2294075
10	B16	22228	CG4729	14.08595333	0.050546333	278.6740878
10	B17	20802	CG3105	15.73077	0.060167667	261.4488956
10	B18	22229	CG31210,CG4836	12.61542667	0.045343	278.2221438
10	B19	20793	CG3664	49.67210667	0.083334333	596.0581273
10	B20	22232	CG3228	7.197965	0.060637333	118.7051706
10	B21	20812	CG2577	13.37610667	0.055673667	240.2591291
10	B22	22236	CG32575	6.321544333	0.051030333	123.8781705
10	B23	22226	CG1822	14.9833	0.048973	305.9502175
10	B24	19667	CG6778	14.23061667	0.055637333	255.7745998
10	C01	18036	CG6264	15.805289	0.062522667	252.7929444
10	C02	18996	CG2902	11.98982667	0.065483	183.0983105
10	C03	18044	CG5431	14.78646767	0.069993333	211.2553719
10	C04	19031	CG32683	15.56006333	0.058559333	265.714489
10	C05	18126	CG5320	13.78241	0.058662333	234.9447971

10	C06	19006	CG2772	15.94290667	0.053352333	298.8230443
10	C07	18128	CG5484	15.01496	0.056814667	264.2796461
10	C08	19851	CG7678	17.21124667	0.068080667	252.8066705
10	C09	18047	CG5555	12.19582333	0.073996	164.8173325
10	C10	19850	CG7658	15.29718667	0.061082333	250.4355324
10	C11	19005	CG1901	15.96519	0.056610667	282.0173466
10	C12	19853	CG7740	14.75137667	0.058833667	250.7301942
10	C13	19012	CG31619	17.81545667	0.049919667	356.8825246
10	C14	19854	CG7763	16.97138667	0.042600333	398.3862411
10	C15	19013	CG2277	15.10257667	0.048463333	311.6289291
10	C16	19856	CG7825	14.00209333	0.049638	282.084156
10	C17	19010	CG2006	18.46289333	0.051735333	356.8720281
10	C18	19855	CG7786	16.11417	0.042967	375.0359578
10	C19	19011	CG2102	18.46037667	0.045966	401.6093779
10	C20	19845	CG7615	16.31309333	0.044192333	369.1385384
10	C21	19016	CG2655	18.79006667	0.048743667	385.4873454
10	C22	19858	CG7860	15.32034667	0.049408	310.0782599
10	C23	19009	CG1950	16.87454667	0.045261667	372.8220348
10	C24	19852	CG7706	17.89561333	0.041220667	434.1417735
10	D01	19836	CG31040	14.85427333	0.081233667	182.8585849
10	D02	22249	CG4559	16.34023333	0.065239	250.4672563
10	D03	19860	CG7915,CG7919	12.49947333	0.060730667	205.8181479
10	D04	22233	CG3344	16.06199333	0.085189667	188.5439157
10	D05	20815	CG3324	16.48084333	0.072342333	227.8174144
10	D06	22242	CG2969	14.85993	0.069805	212.8777308
10	D07	20866	CG31183	14.29433667	0.061822333	231.2163889
10	D08	22243	CG3061	15.83961333	0.062427667	253.7274606
10	D09	20831	CG4353	27.21785333	0.068833333	395.4167554
10	D10	22246	CG3458	12.97818367	0.083081333	156.2105848
10	D11	20809	CG1658	13.15097	0.064487667	203.9300021
10	D12	22247	CG3605	9.664418	0.081950667	117.9297057
10	D13	20810	CG1891	12.78989333	0.060182333	212.5190671
10	D14	22239	CG4634	17.05834333	0.080291	212.4564812
10	D15	20813	CG2845	10.88457167	0.055912667	194.6709452
10	D16	22240	CG4738	4.512092667	0.041969333	107.5092766
10	D17	20843	CG31795	17.89266333	0.043962	407.0029419
10	D18	22241	CG4845	12.30985333	0.050699667	242.7994924
10	D19	20805	CG3682	17.77783	0.050863333	349.5215283
10	D20	22244	CG3231	16.28329667	0.057948333	280.9968075
10	D21	20824	CG2595	18.46796667	0.054075667	341.5208319
10	D22	22248	CG4424	15.32050667	0.045218333	338.8118389
10	D23	22238	CG1826	18.94480667	0.058275	325.0932075
10	D24	19675	CG6754	19.03037	0.056477667	336.9538992
10	E01	18095	CG5604	21.23854	0.066205667	320.7964072
10	E02	19008	CG31546	23.34740333	0.063541667	367.4345443
10	E03	18102	CG5315	22.55286667	0.067042	336.3990732
10	E04	19088	CG2712	20.73413333	0.058836333	352.4035602
10	E05	18067	CG5374	10.92044667	0.055954	195.168293
10	E06	19018	CG31973	21.28366	0.061319667	347.0935371
10	E07	18058	CG5508	22.17034333	0.063468	349.315298
10	E08	19863	CG7685	21.7861	0.059607333	365.4936194
10	E09	18059	CG5594	21.51995	0.056855667	378.50141
10	E10	19862	CG7659	23.44434333	0.057386333	408.5353075
10	E11	19017	CG32663	25.90232333	0.062123	416.9522292

10	E12	19865	CG7744	18.52903667	0.047778333	387.8125371
10	E13	19024	CG2174	24.10075667	0.056133667	429.3458471
10	E14	19866	CG7770	29.96528	0.047671333	628.5806984
10	E15	19025	CG30375	20.52016	0.053226333	385.5264625
10	E16	19868	CG7833	20.02888333	0.045158333	443.5257428
10	E17	19022	CG2014	25.54687333	0.050322333	507.6647214
10	E18	19867	CG7795	19.4943	0.051248	380.3914299
10	E19	19023	CG2104	21.42946333	0.044956	476.6763799
10	E20	19857	CG32443	21.29246333	0.057216333	372.1395988
10	E21	19028	CG2657	19.99363667	0.054747667	365.1961423
10	E22	19870	CG7869	21.58826667	0.052216667	413.436323
10	E23	19021	CG1961	21.52965667	0.044050667	488.7475785
10	E24	19924	CG7735	21.50813	0.052912667	406.4835767
10	F01	19918	CG7876	21.524	0.074422333	289.2142592
10	F02	22261	CG4561	15.45256333	0.059500667	259.7040369
10	F03	19919	CG7914	16.40265667	0.074561	219.9897623
10	F04	22245	CG3345	15.24989667	0.065397333	233.1883563
10	F05	20827	CG3461	15.90497	0.062845333	253.0811622
10	F06	22254	CG2977	20.93940333	0.06557	319.3442631
10	F07	20823	CG2048	9.014158333	0.056355	159.9531245
10	F08	22255	CG3066	18.57311333	0.061975667	299.683962
10	F09	20816	CG1098	13.47448667	0.052989	254.2883743
10	F10	22258	CG3476	17.18668667	0.064827333	265.1148178
10	F11	20821	CG1747	13.05202	0.051600667	252.942856
10	F12	22259	CG3612	11.33457333	0.043195667	262.4007038
10	F13	20822	CG1900	19.20783	0.055170333	348.1550471
10	F14	22251	CG4649	15.07852333	0.062691	240.5213401
10	F15	20825	CG2899	7.989176	0.055526	143.8817131
10	F16	22252	CG4747	14.25669333	0.061004667	233.6984056
10	F17	20826	CG3129	16.67092667	0.054362	306.6650724
10	F18	22253	CG4878	3.818365	0.048573333	78.6103143
10	F19	20817	CG3799	17.60673667	0.043588	403.9354104
10	F20	22317	CG3425	15.21918667	0.051483667	295.6119417
10	F21	20836	CG2615	16.09802333	0.044086667	365.1449418
10	F22	22260	CG4428	13.57052667	0.048192333	281.5909861
10	F23	22250	CG1828	13.15957667	0.060094667	218.9807748
10	F24	19687	CG6762	16.76210333	0.036931	453.8762377
10	G01	18090	CG5288	13.68654333	0.067209667	203.6395062
10	G02	19020	CG2911	16.15680667	0.064794	249.3565248
10	G03	18068	CG5444	3.199616667	0.044223333	72.35132283
10	G04	19055	CG2887	13.68073333	0.066086	207.0140927
10	G05	18079	CG5384	13.91381	0.057344333	242.6361803
10	G06	19030	CG2788	14.78787667	0.053116333	278.4054497
10	G07	18070	CG30116	15.92344667	0.061918667	257.167144
10	G08	19875	CG31122	16.76153	0.048727	343.9885484
10	G09	18120	CG6376	1.632005333	0.031807667	51.30855245
10	G10	19874	CG7663	14.57294667	0.061348333	237.5442962
10	G11	19029	CG1916	15.65090667	0.062434333	250.6778856
10	G12	19877	CG7745	16.08667333	0.052785	304.7584225
10	G13	19036	CG2187	17.27313667	0.052071333	331.7206524
10	G14	19878	CG7771	17.41315333	0.053013	328.4694949
10	G15	19037	CG2292	17.49063667	0.046778667	373.9019924
10	G16	19880	CG7837	16.18119333	0.048898333	330.9150278
10	G17	19034	CG2047	18.43669667	0.044996333	409.7377564

10	G18	19879	CG30035	15.63894667	0.048256	324.0829465
10	G19	19035	CG2105	14.59844	0.044573667	327.5126569
10	G20	19869	CG7620	15.57575333	0.048926333	318.3511265
10	G21	19040	CG2679	17.88010667	0.049731333	359.5340295
10	G22	19882	CG32557	20.14014333	0.04876	413.0464178
10	G23	19086	CG2540	19.33644667	0.054042333	357.8018467
10	G24	19876	CG7710	17.38858333	0.040028333	434.4068785
10	H01	19859	CG7895	16.50440667	0.067345	245.0724874
10	H02	22273	CG4573	15.56291667	0.063842	243.772386
10	H03	19920	CG7950	14.53387333	0.062958333	230.8490801
10	H04	22308	CG4535	14.47765333	0.064809	223.3895498
10	H05	20839	CG3525	15.05934333	0.061548667	244.6737541
10	H06	22266	CG2991	16.27692667	0.060506667	269.0104672
10	H07	20835	CG2087	12.69926	0.076856	165.2344645
10	H08	22267	CG3091	14.87775333	0.057603	258.2808766
10	H09	20828	CG1107	13.80389667	0.060162667	229.4428993
10	H10	22270	CG3488	17.41456667	0.057980333	300.3529933
10	H11	20833	CG1748	14.32714	0.052550333	272.6365199
10	H12	22271	CG3647	15.56430333	0.054617333	284.9700339
10	H13	20834	CG1906	11.95853733	0.057103	209.4204741
10	H14	22263	CG4672	19.34286	0.056371333	343.1329163
10	H15	20837	CG2984	17.33543	0.048024667	360.9692936
10	H16	22264	CG4792	17.54139333	0.045271667	387.4695726
10	H17	20838	CG3172	15.54996333	0.044261333	351.3216201
10	H18	22265	CG4886	15.72472	0.048244667	325.9369602
10	H19	20829	CG3870	15.08535	0.050612333	298.0567978
10	H20	22268	CG33133	15.96311	0.038445	415.2194043
10	H21	20848	CG2621	5.344201333	0.038620333	138.3779184
10	H22	22272	CG4434	16.38836667	0.041057667	399.1548472
10	H23	22262	CG1830	17.94024	0.052242333	343.4042635
10	H24	19699	CG6763	18.68299667	0.045713	408.7020468
10	I01	18072	CG32075	15.15880333	0.074593333	203.2192779
10	I02	19032	CG2919	15.79525667	0.074855	211.0113776
10	I03	18114	CG5317	8.931952333	0.103390333	86.39059422
10	I04	19067	CG2898	14.84782	0.064067	231.7545694
10	I05	18091	CG5394	9.233807667	0.081338667	113.522978
10	I06	19042	CG2807	4.090475333	0.044545	91.8279343
10	I07	18082	CG5514	10.38402033	0.085178667	121.9086978
10	I08	19887	CG7691	16.52219333	0.075112667	219.9654741
10	I09	18083	CG5603	15.69842333	0.081898333	191.6818413
10	I10	19886	CG7664	8.866745333	0.054073667	163.975293
10	I11	19041	CG1921	21.36566	0.072021	296.6587523
10	I12	19889	CG30132	18.23440333	0.063904	285.3405629
10	I13	19048	CG2198	17.97362667	0.063975333	280.946198
10	I14	19890	CG7773	17.09574333	0.053331	320.559212
10	I15	19049	CG2330	16.40513667	0.062350667	263.1108462
10	I16	19892	CG7839	13.97524333	0.060119	232.4596772
10	I17	19046	CG2053	19.98861667	0.058415667	342.1790387
10	I18	19891	CG7798,CG8448	17.55264667	0.042554	412.4793596
10	I19	19047	CG2111	17.12335333	0.053534667	319.8554208
10	I20	19881	CG33144	15.97019	0.061096	261.3950177
10	I21	19051	CG2604	16.95558	0.057491333	294.9241045
10	I22	19894	CG7872	13.79675667	0.037951333	363.5381278
10	I23	19045	CG1964	18.84198333	0.055105	341.9287421

10	I24	19888	CG7718	17.82200667	0.053521333	332.9888393
10	J01	19871	CG7900	15.86450667	0.075488	210.1593189
10	J02	22285	CG4579	7.261252667	0.077418333	93.79241782
10	J03	19896	CG7943	15.45541667	0.072817	212.2501156
10	J04	22269	CG3359	15.81282333	0.076897667	205.6346313
10	J05	20851	CG3530	19.93091	0.088496333	225.2173536
10	J06	22278	CG32699	16.09274	0.067515667	238.3556409
10	J07	20847	CG32485	14.18186667	0.06464	219.3976898
10	J08	22279	CG31694	13.37427667	0.055827	239.5664583
10	J09	20840	CG1167	17.78893333	0.057188	311.0605955
10	J10	22282	CG3499	14.58483	0.070553333	206.7206369
10	J11	20845	CG32666	11.48199333	0.075121333	152.8459736
10	J12	22283	CG3662	17.32200333	0.055555	311.799178
10	J13	20846	CG1912	13.63166333	0.060610667	224.9053522
10	J14	22275	CG4699	19.70674667	0.066944	294.3765934
10	J15	20806	CG4041	16.52223333	0.061131667	270.2729082
10	J16	22276	CG4802	18.38615333	0.057644333	318.9585562
10	J17	20850	CG3216	13.3698	0.044765667	298.661921
10	J18	22277	CG4911	10.86346033	0.059184667	183.5519391
10	J19	20796	CG1362	14.17149	0.066401333	213.4217686
10	J20	22280	CG3291	13.92896333	0.049695	280.2890297
10	J21	20860	CG31187	17.71986	0.051191667	346.1473547
10	J22	22320	CG4542	18.66929667	0.053523333	348.8066887
10	J23	22274	CG1832	10.49535733	0.034546	303.8081785
10	J24	19711	CG6765	14.83041	0.043669667	339.6043783
10	K02	19044	CG2932	16.27042	0.061630333	264.0001947
10	K03	18092	CG5460	15.64038333	0.079613	196.4551434
10	K04	19079	CG2901	14.43962	0.081054	178.1481481
10	K05	18103	CG5405	16.92308667	0.076947667	219.9298224
10	K06	19054	CG2812	14.98021667	0.071848333	208.4977615
10	K07	18094	CG5517	17.17203	0.06792	252.8272968
10	K08	19899	CG7695	16.68419	0.070436	236.8702084
10	K09	19026	CG2453	18.30243333	0.063381333	288.7669345
10	K1	18084	CG6357	17.25613	0.069413667	248.5984508
10	K10	19898	CG7665	14.34387333	0.061579333	232.9332352
10	K11	19053	CG1922	16.55599667	0.060032667	275.7831292
10	K12	19901	CG7754	15.09465	0.064270333	234.8618595
10	K13	19060	CG2253	12.68325667	0.052376	242.1577949
10	K14	19902	CG7776	20.17635	0.063992667	315.2915959
10	K15	19061	CG2345	17.39216	0.066642333	260.9776568
10	K16	19904	CG7842	18.76269333	0.055151	340.2058591
10	K17	19058	CG2059	15.93438333	0.049563	321.4975553
10	K18	19903	CG7800	16.55659	0.056720667	291.896957
10	K19	19015	CG32654	10.04437567	0.052764333	190.3629788
10	K20	19885	CG31821	13.74777333	0.046628667	294.835223
10	K21	19063	CG2608	16.43591	0.051947667	316.3936141
10	K22	19906	CG7874	12.90488333	0.050624333	254.9146326
10	K23	19057	CG1965	17.34419333	0.064213667	270.1012765
10	K24	19900	CG7730	15.02109	0.047973667	313.1111513
10	L01	19883	CG7903	16.17051667	0.070324333	229.9419831
10	L02	22297	CG4599	20.80303667	0.073463	283.1770642
10	L03	19908	CG7949	12.01399667	0.077466667	155.0860155
10	L04	22281	CG3376	15.88696	0.074271333	213.9043328
10	L05	20863	CG3573	11.85405667	0.073271333	161.7830075

10	L06	22290	CG3006	15.39723	0.065959667	233.4340178
10	L07	20859	CG2201	12.60621333	0.058769667	214.502039
10	L08	22291	CG3156	14.72890333	0.075752	194.4358345
10	L09	20852	CG1225	15.60362	0.055589667	280.6928146
10	L10	22294	CG3523	23.41270667	0.059843333	391.2333315
10	L11	20844	CG1455	12.36525667	0.044519333	277.7502658
10	L12	22295	CG3679	17.01294667	0.062564	271.9286917
10	L13	20842	CG4201	18.70034333	0.051934	360.0790105
10	L14	22287	CG4709	14.58544667	0.045702333	319.1400877
10	L15	20861	CG3086	10.93218867	0.029967	364.8075772
10	L16	22288	CG4817	10.214215	0.112543	90.75833237
10	L17	20862	CG3245	16.47350333	0.060152667	273.8615634
10	L18	22289	CG4916	15.60052333	0.064178667	243.0795799
10	L19	20808	CG1389	14.43751667	0.047082	306.6462059
10	L20	22292	CG3308	14.72529333	0.045049	326.8728126
10	L21	20872	CG2794	15.89169333	0.050317333	315.8294027
10	L22	22296	CG32158	15.11896333	0.046154667	327.5717154
10	L23	22286	CG1836	17.88665667	0.052864667	338.348046
10	L24	19723	CG6770,CG6785	14.53255333	0.038974	372.8781581
10	M01	18096	CG6369	8.811935667	0.062419333	141.1731782
10	M02	19056	CG2937	19.53236333	0.087644667	222.8585501
10	M03	18104	CG5469	15.42834333	0.079326667	194.4912598
10	M04	19052	CG2684	13.67851333	0.060671667	225.4514188
10	M05	18115	CG5422	14.94388	0.071516333	208.9575808
10	M06	19066	CG2826	15.57877333	0.057809333	269.4854349
10	M07	18106	CG5519	16.57008333	0.137195333	120.7773102
10	M08	19911	CG31224	16.62947	0.061372	270.9618393
10	M09	19038	CG2488	16.35643	0.068256333	239.6324151
10	M10	19910	CG7668	15.55344	0.05437	286.0665808
10	M11	19065	CG1925	18.2821	0.050508333	361.9620525
10	M12	19913	CG7755	16.16603667	0.05729	282.1790307
10	M13	19072	CG2257	18.65670667	0.064278333	290.2487619
10	M14	19914	CG7778	15.71836	0.05063	310.4554612
10	M15	19073	CG2346	15.45374	0.060270667	256.4056589
10	M16	19916	CG7848	15.23312333	0.049554333	307.4024471
10	M17	19062	CG2525	15.56081	0.051023667	304.9723984
10	M18	19861	CG7634	14.83516667	0.050959	291.1196583
10	M19	19081	CG1986	15.42911	0.052474	294.0334261
10	M20	19905	CG7629	13.36914667	0.038917667	343.5238495
10	M21	19075	CG2616	18.06512333	0.048998333	368.6885268
10	M22	19897	CG7650	16.31315667	0.044409	367.3389778
10	M23	19069	CG1967	8.160449667	0.038439667	212.292415
10	M24	19912	CG7734	9.675063333	0.040679	237.8392619
10	N01	19895	CG7907	19.43938333	0.086542333	224.6228243
10	N02	22309	CG4600	20.61571	0.081305667	253.5580956
10	N03	20807	CG3947,CG4268	12.39091633	0.088715333	139.6705154
10	N04	22293	CG3394	16.49923	0.076942	214.4372384
10	N05	20875	CG3618	11.00363333	0.064011	171.9022251
10	N06	22302	CG3036	16.95178333	0.059127667	286.6979925
10	N07	20871	CG2204	16.46312333	0.051575333	319.2053695
10	N08	22303	CG3180	12.09746	0.03962	305.3372034
10	N09	20864	CG1227	13.22794	0.062761667	210.7646387
10	N10	22306	CG3558	17.09963	0.058211	293.7525554
10	N11	20856	CG32019	17.81056333	0.065984667	269.9197288

10	N12	22307	CG4389	18.23294	0.061650667	295.7460314
10	N13	20854	CG4212	17.21206333	0.055768	308.6369124
10	N14	22299	CG4713	13.74102333	0.057227333	240.1129414
10	N15	20830	CG4154	15.32973667	0.052456	292.239909
10	N16	22300	CG4821	16.41954667	0.058739	279.5339837
10	N17	20867	CG4422	17.88197	0.056594667	315.9656387
10	N18	22301	CG4928	14.23351667	0.048841	291.4255782
10	N19	20865	CG4007	13.86492	0.051676333	268.3030917
10	N20	22304	CG3312	14.72379333	0.053025667	277.6729508
10	N21	22310	CG32789,CG2947	15.85405333	0.057166	277.3336132
10	N22	19747	CG32045	13.89461	0.049742667	279.3298175
10	N23	22298	CG2943	17.10955	0.061972667	276.0821975
10	N24	19735	CG6772	17.86809667	0.048717667	366.7683181
10	O01	18108	CG6370	8.322918667	0.068323667	121.8160423
10	O02	19076	CG2708	12.83265	0.083375333	153.9142272
10	O03	18116	CG30122	13.81515467	0.073755667	187.3097389
10	O04	19064	CG2692	11.48389733	0.06864	167.3061966
10	O05	18127	CG5429	15.10332667	0.067468333	223.8580075
10	O06	19078	CG2830	13.28381333	0.069356	191.5308457
10	O07	18118	CG5520	16.21899667	0.084364333	192.2494498
10	O08	19923	CG30015	13.26323	0.056176667	236.0985581
10	O09	19050	CG2493	13.59299	0.070028333	194.1070043
10	O10	19922	CG7672	11.83462333	0.066427	178.1598346
10	O11	19077	CG1935	12.28565567	0.057508	213.6338538
10	O12	19925	CG7758	14.51444333	0.057819	251.0324173
10	O13	19084	CG2263	11.923366	0.05958	200.1236321
10	O14	19926	CG7779	14.91585	0.058119	256.6432664
10	O15	19085	CG2380	13.68736667	0.056814	240.9153847
10	O16	19928	CG7853	12.5475	0.056841333	220.7460533
10	O17	19082	CG2093	12.72303	0.038114	333.8151335
10	O18	19927	CG7809	14.14987667	0.051720333	273.5844059
10	O19	19039	CG32659	13.56107667	0.049572333	273.5613951
10	O20	19917	CG7631	13.55761	0.057660667	235.1275277
10	O21		wts	64.00132667	0.053066	1206.070302
10	O22		HFA17794	1.495537333	0.011621333	128.6889628
10	O23		hpo	43.39008	0.045932667	944.6453504
10	O24		Luc	2.204823667	0.050696	43.49107753
10	P01	19907	CG7912	14.25213667	0.079489	179.2969677
10	P02	22321	CG18572	13.34395667	0.083464667	159.8755162
10	P03	20819	CG4290	12.07491	0.083653333	144.3446366
10	P04	22305	CG3424	11.51557	0.078934667	145.8873583
10	P05	20886	CG3632	12.238038	0.070342333	173.9782777
10	P06	22314	CG30194	11.21643133	0.070461667	159.1848712
10	P07	20883	CG2272	15.38405667	0.064154667	239.7963775
10	P08	22315	CG3221	11.34105667	0.081759333	138.7126852
10	P09	20880	CG1594	10.07672067	0.055017667	183.1542717
10	P10	22318	CG3563	11.80920333	0.060231667	196.0630344
10	P11	20881	CG1817	13.83400333	0.058036667	238.3666073
10	P12	22319	CG4399	56.68530667	0.102770667	551.5708763
10	P13	20882	CG1973	15.23980333	0.054681333	278.7021165
10	P14	22311	CG4719	12.16692	0.056793333	214.2314826
10	P15	20884	CG32697	16.82603667	0.056390667	298.3833613
10	P16	22312	CG4827	8.912922667	0.044370333	200.8757203
10	P17	20885	CG3319	11.07068333	0.049290667	224.5999919

10	P18	22313	CG4931	7.524047	0.053335	141.0714728
10	P19	20832	CG1404	2.223253	0.036274333	61.28997546
10	P20	22316	CG3333	10.613793	0.062323333	170.3020752
10	P21		wts	64.12894667	0.034203333	1874.932658
10	P22		HFA17794	1.417996	0.010973667	129.2180675
10	P23		hpo	44.79627333	0.038884667	1152.029249
10	P24		Luc	2.063348667	0.053165	38.81028245
11	A01		DIAP1	0.562265333	0.010686	52.61700668
11	A02		ex/ft	49.23835333	0.065692667	749.525873
11	A03		Luc	2.303710667	0.071302333	32.30905019
11	A04		hpo	43.57352667	0.063578667	685.34823
11	A05	17221	CG9379	13.29783333	0.061222	217.2067775
11	A06	19366	CG32226	14.89103	0.068904667	216.1106166
11	A07	17220	CG5658	14.95199667	0.06114	244.5534293
11	A08	22418	CG9934	14.82684667	0.071078333	208.5986822
11	A09	17213	CG10695	16.10764667	0.060225333	267.4563307
11	A10	22425	CG1236	13.72338667	0.062392333	219.9530925
11	A11	17234	CG1363	15.67834333	0.061937	253.1337219
11	A12	22426	CG1318	15.02064	0.058709	255.849018
11	A13	19287	CG5529	13.49830667	0.060063333	224.734558
11	A14	22428	CG32527	12.93581667	0.053054	243.8235885
11	A15	19289	CG5611	13.16831667	0.052824	249.2866248
11	A16	22429	CG1443	14.65908667	0.058059	252.4860343
11	A17	19286	CG5470	16.45864	0.055306	297.5923046
11	A18	22422	CG1064	9.923131333	0.078307667	126.7197933
11	A19	19291	CG6320	16.63909333	0.056135667	296.4085816
11	A20	22423	CG1093	15.42687667	0.045959667	335.6611957
11	A21	19285	CG5430	15.6553	0.064368667	243.213054
11	A22	22427	CG30499	14.70710333	0.065957333	222.9790471
11	A23	19300	CG31924	15.65994667	0.049498667	316.3710807
11	A24	22420	CG1523	10.74739667	0.051123333	210.224881
11	B01		DIAP1	0.579329667	0.010985667	52.7350487
11	B02		ex/ft	51.23700333	0.063817	802.8738946
11	B03		Luc	2.177481	0.075459333	28.85635088
11	B04		hpo	42.31761	0.061051667	693.1442221
11	B05	22322	CG4973	15.16404667	0.072172667	210.1078894
11	B06	27318	CG15266	14.58879	0.075340333	193.6385115
11	B07	22326	CG5656	13.69093667	0.068358667	200.2809202
11	B08	27307	CG6421	15.30476	0.061898333	247.2564151
11	B09	22328	CG5854	14.11139333	0.07165	196.9489649
11	B10	27315	CG11404	14.79048333	0.069441	212.9935245
11	B11	22331	CG6190	15.76747667	0.068618	229.7863049
11	B12	27311	CG7596	14.13193	0.057287333	246.6850729
11	B13	22332	CG9342	14.16000667	0.064750667	218.6851101
11	B14	27358	CG6715	14.09108	0.057672667	244.328567
11	B15	22323	CG9577	15.13980667	0.062884	240.7576914
11	B16	19765	CG10520	12.05508867	0.051740667	232.9905941
11	B17	22327	CG5728	9.249915667	0.054769	168.8896213
11	B18	19763	CG18803	13.51019333	0.050584333	267.0825618
11	B19	22329	CG5989	14.03372	0.061765667	227.2090752
11	B20	19766	CG6556	5.134225	0.053854333	95.33541095
11	B21	22324	CG9670	15.15412	0.057991333	261.3169784
11	B22	19769	CG18102	33.00072333	0.075073	439.5817848
11	B23	22330	CG6116	15.74925667	0.051485333	305.8979256

11	B24	19772	CG3727	17.40517333	0.065701667	264.9122042
11	C01	17212	CG3402	13.24046	0.060872333	217.5119512
11	C02	19283	CG6472	12.71714633	0.067099333	189.5271637
11	C03	17214	CG15609	19.26120667	0.067150333	286.8370969
11	C04	19296	CG6504	14.2927	0.068519	208.5946964
11	C05	17233	CG9388	9.100761667	0.067368	135.0902753
11	C06	19367	CG6496	15.83506667	0.069027667	229.4017375
11	C07	17232	CG5734	14.56177	0.061283333	237.61387
11	C08	22430	CG9975	12.52411333	0.069245667	180.8649398
11	C09	17225	CG10701	15.94012667	0.073310667	217.4325701
11	C10	22437	CG1239	13.35675333	0.063726667	209.5944136
11	C11	17246	CG1483	12.37062	0.066743	185.3470776
11	C12	22438	CG32250	14.62801667	0.05403	270.7387871
11	C13	19299	CG5539	17.64389667	0.065596667	268.9755069
11	C14	22440	CG1416	8.767163667	0.045723	191.7451538
11	C15	19301	CG5613	14.31697667	0.052422667	273.1066078
11	C16	22441	CG1444	14.65833	0.057147333	256.5006824
11	C17	19298	CG5481	16.2727	0.051278667	317.3385943
11	C18	22434	CG1065	11.64679933	0.046071333	252.7992678
11	C19	19303	CG6322	11.71313667	0.064576	181.3852928
11	C20	22435	CG1100	1.260108	0.036718333	34.31822432
11	C21	19362	CG6312	16.13229333	0.049865667	323.5150438
11	C22	22439	CG1372	12.28765	0.052324333	234.8362457
11	C23	19312	CG5580	13.55178333	0.043929333	308.4905302
11	C24	22432	CG1528	1.338707333	0.044890333	29.82172851
11	D01	22421	CG1559	9.437524667	0.071995333	131.0852277
11	D02	22325	CG9761	12.58554333	0.073440667	171.3702218
11	D03	22492	CG1548	12.5709	0.071844667	174.9733221
11	D04	22396	CG9728	12.562818	0.065852667	190.7715911
11	D05	22334	CG4978	13.25777	0.073560667	180.2290626
11	D06	27365	CG14779	13.42075667	0.071763333	187.0141205
11	D07	22338	CG5703	12.367057	0.067099333	184.3096851
11	D08	27319	CG6583	13.11423767	0.050712667	258.5988576
11	D09	22340	CG5886	13.45128	0.066154333	203.3318049
11	D10	27327	CG11407	14.09181	0.052110333	270.4225649
11	D11	22343	CG6191	13.32601667	0.057475	231.8576193
11	D12	27323	CG7644	13.22821	0.053555667	246.9992593
11	D13	22344	CG9343	4.672361667	0.057530667	81.21514902
11	D14	27381	CG5069	12.60210667	0.049657	253.7830853
11	D15	22335	CG9578	11.37136	0.062524667	181.869982
11	D16	19775	CG11988	13.35183	0.058983667	226.3648694
11	D17	22339	CG5740	13.58148	0.056335	241.0842283
11	D18	19773	CG5974	17.57314667	0.041626	422.1675555
11	D19	22405	CG9556	7.638075667	0.047955	159.2758975
11	D20	19767	CG4974	12.10286333	0.043920333	275.5640136
11	D21	22336	CG9674	16.86895	0.049762667	338.9880633
11	D22	19820	CG9209	14.16062333	0.049975	283.3541437
11	D23	22417	CG9576	14.38534	0.050698333	283.7438443
11	D24	19796	CG1977	14.55267667	0.056562667	257.2841332
11	E01	17267	CG4574	21.72208667	0.067668667	321.0065712
11	E02	19295	CG6475	22.16312667	0.059837	370.3916752
11	E03	17226	CG33094	25.37211333	0.064822333	391.4100593
11	E04	19308	CG6508	17.47546667	0.062468	279.750699
11	E05	17245	CG9474	18.98877667	0.064230667	295.6341208

11	E06	22431	CG1486	15.69935333	0.065948333	238.0553464
11	E07	17244	CG5921	20.46166	0.063790333	320.7642746
11	E08	22442	CG9986	20.34338333	0.061958333	328.3397445
11	E09	17237	CG10737	19.41258333	0.056976333	340.7131031
11	E10	22449	CG1245	15.79446667	0.043508667	363.0188621
11	E11	17258	CG1484	19.41403667	0.055183	351.8119107
11	E12	22450	CG1332	17.6492	0.053839667	327.8103505
11	E13	19311	CG12752,CG5543	27.30622333	0.057805333	472.3824215
11	E14	22452	CG1417	16.81389667	0.055734667	301.6775316
11	E15	19313	CG6241	21.06246333	0.058293333	361.3185613
11	E16	22453	CG1448	20.74597	0.058902333	352.2096465
11	E17	19310	CG5485	15.35359	0.067619	227.0602937
11	E18	22446	CG1071	29.62495667	0.055342	535.3069399
11	E19	19315	CG6345	17.23853	0.048524667	355.2529298
11	E20	22447	CG1102	20.18635	0.05281	382.24484
11	E21	19309	CG5442	15.54241667	0.050818	305.8447138
11	E22	22448	CG1135	17.27861333	0.045191	382.3463374
11	E23	19324	CG5583	17.37270667	0.046154	376.4073898
11	E24	22444	CG1532	14.53070333	0.044511333	326.4495185
11	F01	22433	CG1561	14.76047667	0.078329333	188.4412396
11	F02	22337	CG9775	14.38773667	0.067414333	213.4225165
11	F03	22504	CG1552	15.91057	0.066214667	240.2877006
11	F04	22408	CG9735	14.43155333	0.067488	213.8388059
11	F05	22346	CG5625	11.45633	0.071891667	159.3554654
11	F06	27342	CG31640	16.23171333	0.052398333	309.7753745
11	F07	22350	CG5706	8.727809	0.067684333	128.9487326
11	F08	27331	CG6913	14.31735333	0.050596333	282.9721521
11	F09	22352	CG5930	8.083473333	0.028428667	284.3423305
11	F10	27320	CG8049	15.80742667	0.059427333	265.9958941
11	F11	22355	CG6198	16.49759333	0.058336	282.8029576
11	F12	27336	CG8673	15.18343	0.065013667	233.542127
11	F13	22356	CG9347	15.61562	0.061808667	252.6445051
11	F14	27393	CG7911	16.54015	0.053052333	311.7704531
11	F15	22347	CG9591	25.43214667	0.068362	372.0216885
11	F16	19785	CG11992	20.41457333	0.033758667	604.7209605
11	F17	22351	CG5748	17.14945667	0.073153667	234.4305822
11	F18	19783	CG6193	16.08794667	0.048536	331.4642053
11	F19	22353	CG6020	14.86693333	0.048459667	306.789839
11	F20	19786	CG7719	10.69388667	0.037594667	284.4522273
11	F21	22348	CG9680	14.07471667	0.054043667	260.4323047
11	F22	19829	CG10229	15.08587	0.041911	359.9501324
11	F23	22354	CG6121	13.01829667	0.051901333	250.8277886
11	F24	19791	CG4626	17.57305667	0.052170667	336.8378782
11	G01	17236	CG5784	16.12050333	0.068494667	235.3541395
11	G02	19340	CG6414	18.83920667	0.055783	337.7230817
11	G03	17238	CG15792	11.24131333	0.07153	157.1552262
11	G04	19320	CG6511	15.20409667	0.068037667	223.4658743
11	G05	17257	CG9492	18.14003667	0.066228333	273.901452
11	G06	22443	CG1487	19.44675667	0.058826667	330.5772325
11	G07	17256	CG14447	17.05133667	0.062273667	273.8129546
11	G08	22454	CG9998	16.08055333	0.070784667	227.1756595
11	G09	17249	CG10923	13.97090667	0.065158333	214.4147333
11	G10	22461	CG1250	7.570488667	0.075450667	100.3369354
11	G11	17296	CG9587	14.85906333	0.055418333	268.1254098

11	G12	22462	CG1333	17.14550667	0.057885	296.199476
11	G13	19323	CG30118	13.82709333	0.058172	237.6932774
11	G14	22464	CG1420	13.11760667	0.249091667	52.66176441
11	G15	19325	CG6246	16.91606333	0.068534333	246.8261164
11	G16	22465	CG1449	14.83915333	0.040919333	362.6440639
11	G17	19322	CG5491	24.76203	0.067320333	367.8239363
11	G18	22458	CG1074	16.45722333	0.049114667	335.0775736
11	G19	19327	CG6352	18.38972667	0.047202333	389.5935935
11	G20	22424	CG1121	17.19970667	0.043175667	398.3657461
11	G21	19365	CG5423	16.01854333	0.052131	307.2748141
11	G22	22496	CG1213	15.33872	0.050275333	305.0943471
11	G23	19336	CG5586	17.56018	0.054796667	320.4607336
11	G24	22508	CG1216	13.14133667	0.045134333	291.1605356
11	H01	22445	CG32632	13.72277667	0.064665	212.213356
11	H02	22349	CG9776	16.88972667	0.07627	221.4465277
11	H03	22505	CG1615	11.86825333	0.066388333	178.7701654
11	H04	22409	CG9911	9.522623333	0.068634333	138.7443116
11	H05	22358	CG5630	13.80643333	0.060782333	227.1454973
11	H06	27354	CG16969	14.03562667	0.065650667	213.7925992
11	H07	22362	CG5709	17.56693333	0.053691667	327.1817476
11	H08	27326	CG10203,CG10377	16.36796	0.069214	236.4833704
11	H09	22364	CG5940	1.135594667	0.020296333	55.95073002
11	H10	27351	CG11711	15.53125	0.055421	280.2412443
11	H11	22367	CG6203	17.80399	0.046601	382.0516727
11	H12	27361	CG32206	13.35840667	0.054430667	245.4205962
11	H13	22368	CG9372	16.07798333	0.057985	277.2783191
11	H14	19761	CG12530	9.884792667	0.053800333	183.7310673
11	H15	22359	CG9626	17.5413	0.050571667	346.8602314
11	H16	19794	CG12399	14.02371333	0.057202	245.1612414
11	H17	22363	CG5760	17.22429333	0.05235	329.0218402
11	H18	19792	CG6383	10.23215	0.045526667	224.7506956
11	H19	22365	CG6045	15.29893	0.055674667	274.7915868
11	H20	19795	CG9366	12.28766	0.043252333	284.0924189
11	H21	22360	CG9703	17.02651333	0.047431667	358.9693243
11	H22	19798	CG3208	17.65934	0.046239333	381.9116481
11	H23	22366	CG6126	17.69432333	0.049597667	356.7571727
11	H24	19800	CG4720	15.83128667	0.043106333	367.2612686
11	I01	17248	CG5984	10.119203	0.050101	201.9760683
11	I02	19319	CG6485	15.86674	0.072169	219.8553396
11	I03	17250	CG10724	32.83099	0.076387667	429.7943822
11	I04	19332	CG6524	15.88285	0.062996667	252.12207
11	I05	17269	CG9595	14.32919667	0.061415	233.3175391
11	I06	22455	CG1490	13.13008	0.069711	188.3501886
11	I07	17268	CG31642	15.54332667	0.066679667	233.1044446
11	I08	22466	CG1024	13.38848333	0.069338	193.0901285
11	I09	17261	CG10988	11.36839667	0.056012	202.9635911
11	I10	22473	CG1274	17.49256667	0.070992333	246.4007851
11	I11	17282	CG1825	12.79659667	0.062898667	203.4478208
11	I12	22474	CG1340	15.02491	0.061746333	243.3328295
11	I13	19335	CG5548	13.12118	0.058966	222.5211139
11	I14	22476	CG1430	10.48729133	0.072136333	145.3815414
11	I15	19337	CG6249	9.180173667	0.057977	158.341647
11	I16	22477	CG1461	17.60295667	0.063178	278.624785
11	I17	19334	CG5492	17.4401	0.058113667	300.1032459

11	I18	22470	CG1078	19.43756667	0.061607667	315.5056459
11	I19	19339	CG6358	7.905646667	0.044918667	175.9991392
11	I20	22436	CG1129	13.07271	0.049879	262.0884541
11	I21	19333	CG5454	15.84635667	0.080911667	195.8476116
11	I22	22475	CG1397	16.17693667	0.05626	287.5388672
11	I23	19348	CG5590	17.38188667	0.049671	349.9403408
11	I24	22468	CG1537	19.20882667	0.042806	448.7414537
11	J01	22457	CG1582	16.20318667	0.074364	217.8901978
11	J02	22361	CG9795	14.80283333	0.067371667	219.7189719
11	J03	22333	CG9433	23.73054	0.084042667	282.3630061
11	J04	27317	CG14249	15.9026	0.083765667	189.8462775
11	J05	22370	CG5639	15.36912	0.076887333	199.8914429
11	J06	27366	CG12182,CG16985	15.60854333	0.076135667	205.00961
11	J07	22374	CG5711	17.0125	0.066422	256.1274879
11	J08	27333	CG4461	15.32647333	0.068913667	222.4010719
11	J09	22376	CG5954	12.87246	0.119743333	107.5004315
11	J10	27363	CG11882	14.11042667	0.068132	207.1042486
11	J11	22379	CG6204	12.68394667	0.064505333	196.6340768
11	J12	27360	CG9027	16.53882667	0.069662	237.4153293
11	J13	22380	CG9373	10.06451867	0.076459333	131.63231
11	J14	19774	CG7926	4.084774667	0.07698	53.06280419
11	J15	22371	CG9633	15.13808667	0.098789333	153.2360444
11	J16	19803	CG13388	14.25427333	0.063668	223.8844213
11	J17	22375	CG5785	7.213716333	0.064229	112.3124497
11	J18	19801	CG6521	15.17534333	0.061799	245.5596908
11	J19	22377	CG6059	15.09422333	0.058638	257.4136794
11	J20	19804	CG16976	13.82483333	0.056972	242.6601371
11	J21	22372	CG31017	15.08142	0.056686333	266.0503708
11	J22	19807	CG6775	18.90181	0.053806	351.2955804
11	J23	22378	CG6137	14.72092667	0.049173667	299.3660564
11	J24	19809	CG4832	16.34079	0.045819333	356.6352631
11	K02	19331	CG6486	13.68038333	0.078216	174.9051771
11	K03	17243	CG4380	15.76212333	0.074878333	210.5031273
11	K04	19330	CG6449	16.73243667	0.065199	256.6364004
11	K05	17281	CG9598	13.06255267	0.064498667	202.5243829
11	K06	22467	CG32523	14.31231333	0.068605333	208.6180861
11	K07	17280	CG6053	13.93484667	0.062992667	221.2137921
11	K08	22478	CG1031	13.25088667	0.057154333	231.8439547
11	K09	17273	CG11324	14.86394	0.057152	260.0773376
11	K1	17260	CG9913	14.1696	0.065279333	217.0610402
11	K10	22485	CG1275	12.6224	0.061342333	205.7698055
11	K11	17298	CG11063	17.36305333	0.066298667	261.8914408
11	K12	22486	CG1345	16.23667333	0.078303	207.3569765
11	K13	19347	CG5549	15.52337667	0.059011	263.0590342
11	K14	22488	CG1434	15.45668667	0.052654333	293.5501352
11	K15	19349	CG6251	4.589862	0.048615667	94.41117061
11	K16	22489	CG1469	14.24709	0.055779333	255.4187931
11	K17	19326	CG6290	18.07625	0.060638333	298.0993871
11	K18	22482	CG1084	14.46481667	0.055354	261.3147499
11	K19	19293	CG5383	13.55589	0.044811333	302.5103025
11	K20	22483	CG31543	12.51801	0.048254667	259.4155315
11	K21	19374	CG6318	14.00392667	0.044436333	315.1458641
11	K22	22487	CG1399	16.30762667	0.042341333	385.1467439
11	K23	19360	CG5592	16.62057667	0.055669333	298.5589313

11	K24	22480	CG1542	9.185064333	0.060700667	151.3173551
11	L01	22469	CG1591	14.34929	0.077248	185.7561361
11	L02	22373	CG9805	4.589183333	0.078877	58.18151468
11	L03	22345	CG9448	13.77335	0.085921	160.3024872
11	L04	27322	CG5928	12.77185	0.062871	203.1437388
11	L05	22382	CG5642	18.43435	0.076167	242.0254178
11	L06	27378	CG17116	16.08525	0.066049667	243.5326446
11	L07	22386	CG5720	16.16043	0.074581667	216.6809985
11	L08	27350	CG30147	14.52010333	0.059138667	245.52639
11	L09	22388	CG5970	23.81666333	0.068710667	346.622504
11	L10	27375	CG12605	15.59658	0.058491667	266.6461889
11	L11	22391	CG6206	15.38440667	0.069147	222.4884184
11	L12	27371	CG7866	14.75864333	0.058232333	253.4441347
11	L13	22392	CG9393	15.54645667	0.06043	257.2638866
11	L14	19781	CG11525,CG1775	11.52468267	0.050047667	230.2741253
11	L15	22383	CG9634	16.72529333	0.055597333	300.8290565
11	L16	19812	CG17800	13.64471	0.046711	292.1091392
11	L17	22387	CG5792	15.36591667	0.049815667	308.455506
11	L18	19810	CG6721	31.28715333	0.049637	630.3191839
11	L19	22389	CG6084	13.73367333	0.045485667	301.9340891
11	L20	19813	CG3936	14.36703667	0.054358333	264.3023762
11	L21	22384	CG9715	12.39611667	0.055785333	222.2110352
11	L22	19816	CG9012	20.48248	0.046291333	442.4690007
11	L23	22390	CG6145	14.55955667	0.047723	305.0846901
11	L24	19818	CG5020	16.70545667	0.047063	354.9594515
11	M01	17272	CG9968	15.25899333	0.067928333	224.6337071
11	M02	19343	CG32066	18.87127667	0.075834333	248.8487185
11	M03	17255	CG4560	11.36669	0.070271667	161.753528
11	M04	19342	CG6453	12.79498333	0.071726	178.3869634
11	M05	17293	CG9602	14.35022	0.060405333	237.5654468
11	M06	22479	CG1517	13.14261	0.056402667	233.0139828
11	M07	17291	CG4697	15.27111333	0.060900333	250.7558251
11	M08	22490	CG1041	15.76614667	0.069459	226.984936
11	M09	17303	CG4943	14.05252	0.061544333	228.3316634
11	M10	22497	CG32311	15.18800333	0.058302	260.5057002
11	M11	19341	CG5414	13.36256333	0.060152667	222.1441554
11	M12	22498	CG1349	16.24969667	0.059971667	270.9562293
11	M13	19359	CG5550	13.59106667	0.059079667	230.0464345
11	M14	22500	CG1435	16.03722	0.055554333	288.6763109
11	M15	19361	CG6255	14.99253667	0.052011	288.2570354
11	M16	22501	CG1471	15.034	0.055193667	272.3863245
11	M17	19358	CG5521	14.92638	0.048710333	306.4314896
11	M18	22494	CG1086	15.46491667	0.044740333	345.6593976
11	M19	19305	CG5392	15.91029333	0.057156	278.3661091
11	M20	22495	CG1116	16.71672	0.053162	314.4486663
11	M21	19357	CG5463	15.59975	0.044709667	348.9122412
11	M22	22499	CG1401	18.07156	0.047827333	377.8500439
11	M23	19372	CG5610	15.23641333	0.049686667	306.6499396
11	M24	22503	CG1522	19.06593667	0.054155667	352.0580179
11	N01	22481	CG1600	17.45548333	0.086127333	202.6706582
11	N02	22385	CG9813	14.00625667	0.072687333	192.6918491
11	N03	22381	CG9520	14.65938667	0.075074667	195.2640926
11	N04	27334	CG5977	14.20361667	0.065341667	217.3745696
11	N05	22394	CG5643	16.58451667	0.080147333	206.9253708

11	N06	27389	CG17328	14.36520667	0.06254	229.696301
11	N07	22398	CG32429,CG5725	16.41011	0.068303	240.2546008
11	N08	27385	CG11293	16.17367667	0.059825	270.349798
11	N09	22400	CG5973	17.80761	0.060652667	293.5997868
11	N10	27368	CG3694	15.69204	0.059582667	263.3658558
11	N11	22403	CG6223	1.507985667	0.090067667	16.74280818
11	N12	27396	CG30077	20.15839333	0.061046333	330.2146457
11	N13	22404	CG9423	5.742559667	0.077216667	74.36943233
11	N14	19793	CG8384	15.39291667	0.052111	295.3870904
11	N15	22395	CG9649	13.29757433	0.053361	249.2002461
11	N16	19821	CG1200	14.15959	0.051638	274.2087223
11	N17	22399	CG5815	16.88927	0.05643	299.2959419
11	N18	19819	CG6794	16.56870333	0.045232333	366.3022027
11	N19	22401	CG33129	16.87840333	0.055599667	303.5702252
11	N20	19808	CG2671	9.038857667	0.046651333	193.753469
11	N21	22414	CG6186	15.25578667	0.047210333	323.1450742
11	N22	19825	CG12244	19.47113333	0.038973	499.6057099
11	N23	22402	CG6169	9.204052	0.024560667	374.7476453
11	N24	19814	CG3715	7.369442667	0.051247	143.802421
11	O01	17279	CG4684	16.49616333	0.091905333	179.4908166
11	O02	19355	CG6492	14.167011	0.088631667	159.8414148
11	O03	17286	CG10859	13.27748667	0.059209667	224.2452527
11	O04	19354	CG6462	11.16056333	0.069931	159.5939331
11	O05	17305	CG9614	14.95255	0.064557	231.6177951
11	O06	22491	CG33181	13.13024667	0.071831667	182.7918977
11	O07	17304	CG6235	8.448885333	0.056218333	150.2870119
11	O08	22502	CG32465	11.364368	0.068098667	166.8809179
11	O09	17297	CG14838	13.76127333	0.06553	209.9995931
11	O10	22509	CG1311	12.64446	0.063118	200.3304921
11	O11	19353	CG5418	11.41222667	0.060572333	188.4065883
11	O12	22510	CG1354	14.55969	0.068325667	213.0925421
11	O13	19371	CG5558	14.10013667	0.059493	237.0049698
11	O14	22512	CG1440	14.62729333	0.057521667	254.29189
11	O15	19314	CG6282	14.99380333	0.057146	262.3771276
11	O16	22513	CG1474	12.45406	0.068123	182.817257
11	O17	19370	CG5527	16.75731	0.055748	300.5903351
11	O18	22484	CG1208	13.84067	0.054267	255.0476348
11	O19	19338	CG6298	15.47983667	0.060332333	256.5761311
11	O20	22507	CG1119	8.991258333	0.058993	152.4122919
11	O21		wts	72.04657	0.044239	1628.575917
11	O22		HFA17794	1.748917	0.012748	137.191481
11	O23		hpo	42.25248667	0.047783333	884.2515521
11	O24		Luc	2.861824333	0.057181333	50.04822669
11	P01	22493	CG1607	14.976	0.089378	167.558012
11	P02	22397	CG9861	13.2695	0.084998667	156.1142136
11	P03	22369	CG31332	13.37545333	0.072594667	184.2484296
11	P04	27353	CG14757	12.69706333	0.064041333	198.2635694
11	P05	22406	CG5651	3.63746	0.080576333	45.14303207
11	P06	27399	CG14248	12.96134333	0.077213333	167.8640563
11	P07	22410	CG5726	11.85084667	0.080685	146.877941
11	P08	27374	CG11186	11.90005933	0.066349	179.355519
11	P09	22412	CG5978	12.80550667	0.078096333	163.9706516
11	P10	27380	CG18361	12.61716667	0.063703	198.0623623
11	P11	22415	CG6230	11.553143	0.070310333	164.3164305

11	P12	27394	CG8179	10.90244233	0.049036667	222.3324519
11	P13	22416	CG9429	15.62122333	0.064800333	241.0670213
11	P14	19826	CG3497	14.75583333	0.049582	297.6046415
11	P15	22407	CG9660	14.22762667	0.061876333	229.9364862
11	P16	19830	CG18492	15.05271667	0.053357333	282.1114873
11	P17	22393	CG9554	12.83699667	0.060179	213.313559
11	P18	19832	CG31058	9.872682	0.052602333	187.6852484
11	P19	22413	CG6091	19.17427333	0.048157	398.1617072
11	P20	19817	CG3412	8.495629	0.116126333	73.15850554
11	P21		wts	62.65904	0.044816667	1398.119152
11	P22		HFA17794	1.429289667	0.010565	135.2853447
11	P23		hpo	44.56985	0.045686333	975.5619843
11	P24		Luc	2.079729667	0.051926667	40.05128386
12	A01		DIAP1	0.459254	0.009626667	47.70644044
12	A02		ex/ft	41.49929	0.049688333	835.1918291
12	A03		Luc	1.576163667	0.066333	23.76138071
12	A04		hpo	36.13406333	0.066264667	545.2991036
12	A05	19384	CG2412	14.06824167	0.067690333	207.8323591
12	A06	19942	CG2750	11.40703833	0.064536333	176.7537408
12	A07	19385	CG2709	15.77965667	0.070434333	224.0335916
12	A08	24437	CG13777	14.12125667	0.057987667	243.5217259
12	A09	19387	CG3709	12.45105667	0.051222667	243.0770883
12	A10	24439	CG15825	13.56044667	0.053262667	254.5957143
12	A11	19386	CG2854	13.99218667	0.057944	241.4777486
12	A12	24434	CG12172	12.10447333	0.05922	204.3984014
12	A13	19388	CG3773	13.74426	0.051596667	266.3788358
12	A14	24435	CG12238	3.992780333	0.053770667	74.25573423
12	A15	19936	CG8046	12.20506333	0.053552667	227.9076672
12	A16	24438	CG15629	14.84916	0.050717667	292.7808193
12	A17	19934	CG7996	14.03785667	0.045157	310.8677872
12	A18	24430	CG10725	13.75846	0.047464333	289.8694458
12	A19	19929	CG7951	11.48941533	0.040920667	280.7729265
12	A20	24429	CG11334	12.72331667	0.046362333	274.4321899
12	A21	19949	CG1934	11.58882667	0.046842333	247.400713
12	A22	24445	CG12141	7.436508667	0.051786333	143.5998301
12	A23	19935	CG32536,CG32537	17.26609	0.045925333	375.9600366
12	A24	24452	CG10672	16.97193333	0.047710333	355.7286681
12	B01		DIAP1	0.553578333	0.011964	46.27033879
12	B02		ex/ft	47.48676333	0.072455667	655.3906067
12	B03		Luc	2.613494333	0.077028333	33.92900015
12	B04		hpo	45.26060667	0.059338667	762.7506516
12	B05	22037	CG18656	10.861059	0.056209333	193.225188
12	B06	23866	CG4471	11.77675667	0.059133	199.1570978
12	B07	22046	CG31974,CG31975	14.33800333	0.061439	233.369738
12	B08	23856	CG3217	15.78587	0.065193	242.1405672
12	B09	22055	CG32242,CG32244	15.0232	0.064239667	233.8617365
12	B10	23860	CG3323	13.89187	0.061940333	224.278257
12	B11	22080	CG18468	13.89125667	0.062421	222.541399
12	B12	23862	CG3509	11.99523667	0.054	222.1340123
12	B13	16545	CG12997	11.987797	0.057158	209.7308688
12	B14	23865	CG4394	6.004495667	0.034698667	173.0468702
12	B15	16546	CG13035	15.26025333	0.057363	266.0295545
12	B16	23858	CG4712	13.90297333	0.050653333	274.4730192
12	B17	16539	CG12877	12.86069	0.055055333	233.5957158

12	B18	23873	CG32036,CG32037	11.75802333	0.052251333	225.028197
12	B19	16544	CG12959	14.24887	0.054838667	259.8325391
12	B20	23875	CG3568	14.60724	0.046706	312.7486833
12	B21	16549	CG13220	12.67417667	0.046371333	273.3192202
12	B22	23876	CG13506,CG3624	10.63197667	0.038917	273.1962039
12	B23	16540	CG13873	10.634645	0.046015333	231.1108978
12	B24	23915	CG4616	15.08682333	0.049862333	302.5695415
12	C01	19391	CG3920	12.06519867	0.053477667	225.6119128
12	C02	19939	CG2213	11.47129667	0.072349333	158.5542829
12	C03	19390	CG3883	14.96748	0.057677	259.5051754
12	C04	19931	CG2931	9.452206667	0.070812	133.4831196
12	C05	19396	CG2444	11.10464433	0.057899333	191.7922659
12	C06	20023	CG2374	13.13134	0.053768333	244.2206999
12	C07	19397	CG2711	11.41761733	0.052515333	217.4149264
12	C08	24449	CG14472	11.00891667	0.057164333	192.5836623
12	C09	19399	CG3051,CG3719	14.85990667	0.066924	222.0415197
12	C10	24451	CG16705	12.19449	0.055305333	220.4939246
12	C11	19380	CG3955	13.45503	0.054238	248.0738597
12	C12	24446	CG12182	14.07956333	0.057884333	243.2361664
12	C13	19472	CG3849	13.1076	0.061497	213.1421045
12	C14	24447	CG12263	13.63437	0.061502667	221.6874607
12	C15	19948	CG30344	16.83484	0.045443	370.460577
12	C16	24450	CG15669	13.12347667	0.043342	302.7889038
12	C17	19946	CG7997	13.48348333	0.052318667	257.7184052
12	C18	24442	CG10728	13.72001	0.046372	295.868412
12	C19	19941	CG7953	12.71098	0.044960333	282.7154306
12	C20	24441	CG11347	14.65344667	0.045914333	319.1475429
12	C21	19961	CG1943	13.72370333	0.045558667	301.2314525
12	C22	24457	CG12143	12.36705833	0.044098667	280.4406407
12	C23	19947	CG8025	8.189518333	0.043073667	190.1281912
12	C24	24464	CG10646,CG10681	15.48121333	0.048044333	322.2276647
12	D01	22047	CG17855,CG3811	11.69311467	0.059121	197.7827619
12	D02	16541	CG13906	12.75910633	0.060632333	210.4340313
12	D03	22053	CG18112	14.84567667	0.060237	246.4544494
12	D04	16542	CG13941	15.61767333	0.055384667	281.9855074
12	D05	22049	CG18661	14.56153	0.073823	197.2492313
12	D06	23878	CG4480	12.51593333	0.062047667	201.7148107
12	D07	22057	CG18531	12.81103167	0.058720667	218.1690433
12	D08	23868	CG3223	15.08576333	0.048295333	312.3648248
12	D09	22066	CG14028	9.726792667	0.049288	197.3460612
12	D10	23872	CG3338	10.01751033	0.051563	194.2771044
12	D11	22092	CG18469	12.81696	0.049637	258.2138324
12	D12	23874	CG3520	11.924095	0.056421667	211.338936
12	D13	16557	CG12998	16.03479333	0.055595	288.4215007
12	D14	23877	CG4385,CG4426	12.38837	0.048745333	254.1447386
12	D15	16543	CG30005	10.67882533	0.052955	201.6584899
12	D16	23870	CG4714	13.01854333	0.050295333	258.8419734
12	D17	16551	CG12879	13.29633	0.045878333	289.8171977
12	D18	23885	CG3430,CG9200	10.47763	0.049560333	211.4116128
12	D19	16556	CG12985	13.15986633	0.053576333	245.6283496
12	D20	23887	CG3579	12.96521333	0.042929	302.0152655
12	D21	16627	CG12956	11.28076667	0.040092	281.372011
12	D22	23888	CG3638	11.53899367	0.039907667	289.1422784
12	D23	16552	CG13874	9.384387333	0.041439	226.4626881

12	D24	23927	CG4617	13.76784667	0.046359667	296.9789832
12	E01	19403	CG3923	14.76162333	0.071579	206.2284096
12	E02	19956	CG3898	16.53307	0.051136333	323.3135605
12	E03	19402	CG3884	14.69325667	0.058098667	252.9017878
12	E04	19964	CG2533	16.82174333	0.059556333	282.4509568
12	E05	19408	CG2467	16.61508667	0.062743667	264.8089847
12	E06	19966	CG2839	16.73557667	0.058374333	286.694095
12	E07	19467	CG31482,CG31484	18.21315333	0.052139	349.3191916
12	E08	24461	CG14648	20.36864333	0.052518	387.8411846
12	E09	19411	CG3733	18.00351667	0.063785667	282.250192
12	E10	24463	CG16740	19.03863667	0.052983667	359.3302968
12	E11	19410	CG2865	16.65749667	0.054040667	308.2400291
12	E12	24458	CG12189	18.97164667	0.057395667	330.5414462
12	E13	19412	CG3814	18.09978667	0.046420333	389.9107431
12	E14	24459	CG12340	15.3167	0.049875333	307.0997019
12	E15	19960	CG8055	5.374995667	0.180584	29.76451771
12	E16	24472	CG13366	16.93172	0.049153333	344.467381
12	E17	19958	CG8002	20.47284667	0.05572	367.4236659
12	E18	24484	CG13442	15.91829	0.039870667	399.2481524
12	E19	19953	CG7959	16.45676667	0.048948667	336.2045953
12	E20	24453	CG11352	17.68178	0.056254	314.3204039
12	E21	19973	CG1958	19.3882	0.041019333	472.6600465
12	E22	24469	CG32721	17.32005	0.041388333	418.4766238
12	E23	19959	CG8026	14.86056	0.043998333	337.7527937
12	E24	24476	CG10687	13.83145	0.038077	363.2494682
12	F01	22058	CG17867	16.06408333	0.074756667	214.8849601
12	F02	16553	CG13913	15.30086667	0.069047333	221.5996756
12	F03	22064	CG32384	15.51991	0.057788	268.5663113
12	F04	16576	CG13893	14.43121	0.056662333	254.6878879
12	F05	22060	CG32983,CG32988	13.39101333	0.071669667	186.8435275
12	F06	23890	CG4482	16.05598667	0.060292	266.3037661
12	F07	22062	CG17944	13.62897667	0.072380667	188.2958156
12	F08	23880	CG3227	15.14906667	0.055649	272.225317
12	F09	22052	CG18013	13.83541333	0.051294	269.7277134
12	F10	23884	CG3263,CG3354	14.14827333	0.044058333	321.1259315
12	F11	16560	CG13183	13.6394	0.044392333	307.2467468
12	F12	23879	CG4547	13.54757333	0.051839667	261.3360425
12	F13	16569	CG13001	13.67698333	0.049878333	274.2069035
12	F14	23889	CG4444	15.40717333	0.040809	377.5435157
12	F15	16555	CG12933	14.27006	0.046485667	306.9776347
12	F16	23882	CG4730	15.56610667	0.050943667	305.5552866
12	F17	16563	CG12892	23.19018667	0.051292	452.1209285
12	F18	23897	CG3440	12.90800667	0.057321	225.1880928
12	F19	16568	CG12986	10.71010167	0.046308333	231.2780637
12	F20	23899	CG3582	12.51231667	0.067156	186.3171819
12	F21	16573	CG13224	14.48083333	0.046599333	310.7519421
12	F22	23900	CG3652	14.35942667	0.042271333	339.6965635
12	F23	16550	CG13282	15.14115667	0.042021667	360.3178519
12	F24	23939	CG4621	23.07470667	0.042003667	549.3498187
12	G01	19415	CG31410	15.79741667	0.054316667	290.8392145
12	G02	19963	CG2245	14.28030333	0.055447333	257.5471619
12	G03	19414	CG3887	13.73227	0.065985333	208.1109438
12	G04	19976	CG2652	13.16920667	0.068954667	190.9835447
12	G05	19420	CG2519	12.30949667	0.051005	241.3390191

12	G06	20015	CG3771	15.52017	0.059998333	258.6766855
12	G07	19421	CG2762	4.381183333	0.128876333	33.99525126
12	G08	24473	CG14685	14.40080333	0.060866	236.5984841
12	G09	19423	CG3746	15.86315333	0.054060333	293.4342494
12	G10	24475	CG16758	15.09334667	0.062176333	242.7506715
12	G11	19422	CG2904	17.52081667	0.06222	281.5946105
12	G12	24470	CG30426	15.19635667	0.049485333	307.0880934
12	G13	19464	CG3997	1.629156667	0.043157	37.74953464
12	G14	24471	CG12359	7.960444	0.105049667	75.77790823
12	G15	19972	CG32177,CG32179	16.11987667	0.051430667	313.429277
12	G16	24474	CG15738	15.73161	0.044883333	350.5000371
12	G17	19970	CG8005	14.06281	0.054789	256.6721422
12	G18	24466	CG17348	15.37197667	0.050604667	303.76599
12	G19	19965	CG7963	15.58268667	0.054719	284.7765249
12	G20	24508	CG13604	14.65701333	0.039127	374.6010002
12	G21	19985	CG1978	16.88888333	0.048502333	348.2076464
12	G22	24481	CG12157	10.11734067	0.045728333	221.2488392
12	G23	20019	CG8043	18.89648333	0.047326333	399.2805274
12	G24	24488	CG10689	14.46477333	0.051271667	282.1202093
12	H01	22070	CG17868	14.32681	0.060841333	235.4782385
12	H02	16565	CG13916	14.57240333	0.072346	201.4265244
12	H03	22067	CG18416	13.62161667	0.075065667	181.4626749
12	H04	16625	CG13933	11.025727	0.060834667	181.240855
12	H05	22077	CG18266	12.67607667	0.060263333	210.3447646
12	H06	23902	CG4497	11.001618	0.054938333	200.2539453
12	H07	22081	CG18540	12.49525333	0.066237667	188.6427159
12	H08	23892	CG3246	16.59064333	0.057092333	290.5931911
12	H09	22050	CG6874	17.15142	0.054888667	312.4765282
12	H10	23896	CG3363	5.419892	0.057497333	94.26336294
12	H11	16572	CG13189	12.94878333	0.052054667	248.753554
12	H12	23891	CG32743	10.31047967	0.042937	240.1304159
12	H13	16581	CG13016	14.57175333	0.052863667	275.6477984
12	H14	23901	CG4449	15.36553333	0.049421	310.9110162
12	H15	16582	CG13095	12.64777667	0.050569333	250.107641
12	H16	23881	CG4669	15.81244	0.048274667	327.5515108
12	H17	16575	CG11763,CG12895	12.95918333	0.048587333	266.7193782
12	H18	23909	CG3441	15.37785333	0.044538667	345.2697282
12	H19	16591	CG31412,CG31415	13.34261333	0.042638333	312.925302
12	H20	23911	CG3588	14.01065	0.042474333	329.8615635
12	H21	16632	CG13216	13.86692333	0.03948	351.2391928
12	H22	23912	CG3669	15.69245667	0.039610333	396.1707804
12	H23	16634	CG13867	8.820386333	0.032566667	270.8409314
12	H24	16347	CG10353	16.87061667	0.044054667	382.947323
12	I01	19427	CG3934	15.88443333	0.071888333	220.9598219
12	I02	19975	CG2262	14.08906667	0.064581667	218.1589202
12	I03	19426	CG3894	19.4097	0.073287333	264.8438566
12	I04	19967	CG2982,CG3620,CG3712	14.95090667	0.075741	197.3951581
12	I05	19432	CG2555	15.19501	0.069077333	219.9709987
12	I06	19990	CG2861	12.47520333	0.066867667	186.5655549
12	I07	19433	CG2765	16.14297	0.075653	213.3817562
12	I08	24485	CG14740	15.46546333	0.066927333	231.0784333
12	I09	19448	CG3836	9.918174333	0.063817333	155.4150544
12	I10	24487	CG16791	8.171958	0.054416667	150.173807
12	I11	19434	CG2906	9.958486667	0.046295	215.1093351

12	I12	24482	CG12202	7.586064667	0.045623333	166.2759845
12	I13	19957	CG7183,CG7988	11.55669833	0.055844333	206.9448706
12	I14	24483	CG12360	12.50885367	0.055026	227.3262397
12	I15	19984	CG1850	9.662824	0.053804333	179.5919288
12	I16	24486	CG32491	13.37376267	0.053998667	247.6683869
12	I17	19982	CG8010	11.163221	0.051135333	218.3073869
12	I18	24478	CG10764	12.87095467	0.046458667	277.0409827
12	I19	19974	CG2137	12.829547	0.047641	269.2963414
12	I20	24477	CG12070	8.797445667	0.033063667	266.0759242
12	I21	19997	CG1984	11.55427767	0.043117333	267.9729189
12	I22	24493	CG12162	11.95116633	0.044898667	266.180874
12	I23	19983	CG8034	11.97594933	0.041489	288.653603
12	I24	24500	CG10691	15.73306133	0.049287667	319.2088893
12	J01	22082	CG17871	12.33199033	0.073074667	168.7587627
12	J02	16614	CG13972	12.36798533	0.065118667	189.9299535
12	J03	22085	CG6934	10.38204067	0.053512667	194.0109008
12	J04	16600	CG13901	11.33877133	0.060554667	187.2485137
12	J05	22089	CG18268	9.795980333	0.065911	148.6243621
12	J06	23914	CG4502	11.20472133	0.066909	167.4620953
12	J07	22093	CG31211	12.38981367	0.075746333	163.5698142
12	J08	23871	CG4840	11.306661	0.060664	186.3817256
12	J09	22102	CG18367	11.24817233	0.065864	170.7787613
12	J10	23941	CG4702	11.477152	0.051633333	222.2818334
12	J11	16583	CG13139	10.73423767	0.049412667	217.2365588
12	J12	23910	CG3548	10.89130233	0.049860333	218.4362118
12	J13	16593	CG13022	12.76919133	0.052228	244.4893799
12	J14	23883	CG4857	12.414218	0.051727333	239.9933884
12	J15	16594	CG13096	8.941672667	0.066576333	134.3070761
12	J16	23893	CG4677	11.564199	0.043592333	265.2805692
12	J17	16619	CG13167	11.66986867	0.049207667	237.1554974
12	J18	23921	CG3474	8.656435	0.044525333	194.4159505
12	J19	16603	CG12952	11.18818267	0.046969	238.2035527
12	J20	23923	CG3589	11.247629	0.046661	241.0498918
12	J21	16597	CG13252	13.38669067	0.050018	267.6374638
12	J22	23924	CG4377	12.73095	0.045677333	278.7148257
12	J23	16574	CG13284	11.42948567	0.044653333	255.9604136
12	J24	16359	CG10357	10.69964133	0.038430667	278.4141484
12	K02	19987	CG2267	13.43401	0.074135667	181.2084602
12	K03	19438	CG3906	14.75757667	0.076819	192.1084194
12	K04	20000	CG2668	15.73334333	0.064699	243.1775349
12	K05	19444	CG31248	14.73270333	0.071204333	206.907398
12	K06	19992	CG4066	13.63351333	0.064219333	212.2960894
12	K07	19445	CG2808	15.44468667	0.062734667	246.1906229
12	K08	24497	CG14813	14.16281	0.064892	218.2520187
12	K09	19447	CG3766	2.340654667	0.085443667	27.39412712
12	K1	19439	CG3939	10.84207533	0.066522	162.984807
12	K10	24499	CG30078	11.61045333	0.055949667	207.5160412
12	K11	19428	CG3987	15.07608333	0.059657333	252.711318
12	K12	24494	CG12218	11.52880133	0.060242333	191.3737516
12	K13	19969	CG7989	10.10501233	0.065229333	154.9151558
12	K14	24455	CG10833	11.99772667	0.050692667	236.6757848
12	K15	19996	CG1854	14.10013667	0.055348667	254.7511533
12	K16	24498	CG15814	13.86993333	0.051311333	270.3093534
12	K17	19994	CG8012	12.95129	0.045374	285.4341693

12	K18	24490	CG10772	5.146212667	0.055117	93.36888195
12	K19	19989	CG7970	14.62665	0.052477333	278.7231948
12	K20	24489	CG12084	18.32553	0.04701	389.8219528
12	K21	20009	CG1988	16.08370333	0.045594	352.7592081
12	K22	24520	CG13627	12.14506333	0.046071	263.61623
12	K23	19995	CG8038	13.45178667	0.048646333	276.5221086
12	K24	24479	CG10849	14.93392	0.057749	258.6004952
12	L01	22095	CG18635	14.75457667	0.083674667	176.3326614
12	L02	16589	CG13922	16.44945333	0.069709333	235.9720363
12	L03	22100	CG18178	14.61293333	0.084926	172.066662
12	L04	16590	CG13964	13.11604333	0.070903667	184.9839924
12	L05	22096	CG18669	13.78425333	0.067906	202.990212
12	L06	23929	CG4695	12.64316333	0.065931333	191.7625914
12	L07	22127	CG18449	13.95901	0.066711667	209.2439104
12	L08	23916	CG3292	13.16702	0.072553333	181.480566
12	L09	22073	CG6917	15.44314333	0.058180333	265.4358002
12	L10	23920	CG31317	14.78012	0.062084667	238.0639342
12	L11	16596	CG13207	17.51478	0.059794333	292.9170546
12	L12	23922	CG3552	15.28441333	0.058444	261.522369
12	L13	16605	CG13023	14.34199667	0.060687667	236.3247337
12	L14	23925	CG4454	9.529730333	0.062808	151.7279699
12	L15	16606	CG13112	12.72241	0.063003	201.9334
12	L16	23918	CG4768	15.75742333	0.048681	323.6873387
12	L17	16599	CG12909	16.34347667	0.058873667	277.6024935
12	L18	23933	CG3493	12.28402667	0.048656	252.466842
12	L19	16604	CG12990	16.36917333	0.053933333	303.5075402
12	L20	23935	CG3599	15.22221333	0.052407	290.4614524
12	L21	16609	CG13263	13.74074	0.048239667	284.8431789
12	L22	23936	CG32042	14.26105333	0.044733667	318.7991148
12	L23	16586	CG13287	14.55927667	0.046222333	314.9835938
12	L24	16395	CG10369	13.97087	0.043064333	324.4185831
12	M01	19451	CG3944	16.48284333	0.067644667	243.6680399
12	M02	19999	CG2278	18.16472333	0.072144333	251.7830922
12	M03	19436	CG3831	14.49918033	0.065352	221.8628402
12	M04	19980	CG18508,CG3936	12.41632667	0.072302333	171.7278834
12	M05	19456	CG2678	14.13356667	0.058235333	242.697446
12	M06	20014	CG2925	7.717768	0.094159333	81.96498134
12	M07	19457	CG2837	14.65263667	0.053660667	273.0610255
12	M08	24509	CG14899	13.06237833	0.066714667	195.7947028
12	M09	19459	CG3767	15.77313667	0.055159	285.9576255
12	M10	24511	CG16833	13.18134667	0.057639	228.6879833
12	M11	19458	CG3687	12.73798	0.061811333	206.0783891
12	M12	24460	CG13326	13.46986333	0.058306667	231.0175509
12	M13	19981	CG7991	15.96730667	0.054714667	291.8286383
12	M14	24507	CG12389	16.62785	0.056818333	292.6493796
12	M15	20008	CG1867	14.42953667	0.060662333	237.866496
12	M16	24510	CG15817	13.89656667	0.058881333	236.0097145
12	M17	19950	CG30492,CG30494	14.28539333	0.050840667	280.9835958
12	M18	24502	CG10795	14.34802667	0.052867333	271.3968298
12	M19	20001	CG7971	14.07738	0.054386	258.8419814
12	M20	24501	CG12099	13.82825333	0.045780333	302.0566328
12	M21	20017	CG7995	15.14472333	0.046763667	323.8566266
12	M22	24517	CG12165	8.099448	0.047637667	170.0219294
12	M23	20010	CG2189	15.06090667	0.041235	365.2457055

12	M24	24524	CG10702	14.68692333	0.050245667	292.3022881
12	N01	22106	CG17902	14.38934	0.076531	188.0197567
12	N02	16601	CG13927	15.60729	0.080764	193.2456292
12	N03	22103	CG31051	13.67287	0.068409	199.8694616
12	N04	16626	CG13977	11.29892667	0.071963	157.0102228
12	N05	22109	CG7016	11.43013	0.057362667	199.2607852
12	N06	23938	CG4510,CG4538	13.81576	0.067366	205.0850577
12	N07	22119	CG18648	14.89427333	0.065895667	226.0281152
12	N08	23928	CG3307	18.16633	0.068377	265.6789564
12	N09	22126	CG30480	13.17691167	0.054261	242.8431409
12	N10	23932	CG3382	14.04862333	0.055750667	251.9902303
12	N11	16608	CG13213	12.63506667	0.055272333	228.5965854
12	N12	23934	CG3557	13.38903667	0.053813667	248.8036496
12	N13	16559	CG13133	14.90928667	0.062394	238.9538524
12	N14	23937	CG4457	11.93325667	0.053188333	224.3585373
12	N15	16618	CG13114	15.91954333	0.058674667	271.3188542
12	N16	23930	CG4771	13.59787	0.051666667	263.1845806
12	N17	16622	CG31160	13.08159667	0.053628333	243.9306958
12	N18	23945	CG3508	14.45686333	0.050397	286.8596014
12	N19	16616	CG12991	13.90910667	0.050114	277.5493209
12	N20	23947	CG3613	13.06834133	0.051143333	255.523848
12	N21	16621	CG13270	14.2093	0.044832333	316.9431288
12	N22	23948	CG4385	13.102	0.037389667	350.4176733
12	N23	16598	CG13293	13.58184667	0.041088	330.5550688
12	N24	16383	CG10363	14.24218667	0.040135333	354.854077
12	O01	19463	CG3950	14.005919	0.072877667	192.1839658
12	O02	19968	CG3975	9.717338333	0.075154667	129.2978702
12	O03	19462	CG3910	13.73825667	0.056598667	242.7311009
12	O04	20003	CG3748	12.02692667	0.054333667	221.3531205
12	O05	19452	CG3995	12.06196667	0.062935333	191.6565152
12	O06	24443	CG10827	13.89071667	0.068303	203.3690565
12	O07	19469	CG2841	12.96735367	0.066278333	195.6499661
12	O08	24521	CG32529	11.74847467	0.059486667	197.4976129
12	O09	19471	CG3770	15.60080667	0.062320667	250.3311903
12	O10	24523	CG16857	13.01167333	0.057852333	224.9118157
12	O11	19470	CG3700	14.35531	0.052978	270.9673827
12	O12	24518	CG12233	12.562	0.054067333	232.3399218
12	O13	19993	CG7992	15.39797333	0.060709333	253.634367
12	O14	24519	CG12428	10.69097233	0.051471667	207.7059677
12	O15	20020	CG1897	11.71762	0.048608333	241.0619578
12	O16	24522	CG15824	13.81005667	0.059537667	231.9549529
12	O17	20018	CG8014,CG8016	9.016315	0.041425667	217.6504502
12	O18	24514	CG10803	12.01652667	0.051425333	233.6693977
12	O19	19998	CG2175	12.97958	0.048185	269.3697209
12	O20	24467	CG10844	12.06967	0.043347667	278.4387472
12	O21		wts	67.87037333	0.031989667	2121.634278
12	O22		HFA17794	1.486005333	0.011385333	130.5192646
12	O23		hpo	37.82574333	0.039733	951.9981711
12	O24		Luc	1.807981	0.040835	44.27527856
12	P01	22118	CG17904	13.915189	0.092292333	150.7729678
12	P02	16613	CG13929	13.10540333	0.089073333	147.1304917
12	P03	22115	CG31304	14.31062667	0.079182333	180.730045
12	P04	23917	CG4690	11.47346333	0.061322333	187.1008931
12	P05	22120	CG18679	11.14915	0.067026	166.3406738

12	P06	23950	CG4520	10.18447067	0.070485	144.4913197
12	P07	22129	CG18568	11.24457667	0.071041	158.2829164
12	P08	23951	CG4650	9.766427667	0.064269667	151.9601419
12	P09	22111	CG18103	12.79689	0.061658667	207.5440598
12	P10	23944	CG3386	10.99175667	0.065490333	167.8378488
12	P11	16620	CG13214	8.452753667	0.062366333	135.5339205
12	P12	23946	CG3548,CG3565	12.74450333	0.057360667	222.1819249
12	P13	16571	CG13137	12.47581333	0.050994333	244.6509743
12	P14	23949	CG4468	11.06183433	0.055259	200.1815873
12	P15	16630	CG18854,CG4026	10.902668	0.056464333	193.0894665
12	P16	23942	CG4783	13.17087	0.054121333	243.3581952
12	P17	16623	CG12926	13.44499333	0.051809333	259.5090975
12	P18	23907	CG4875	8.246973	0.053340667	154.6094849
12	P19	16628	CG12995	12.93960667	0.049835333	259.6472382
12	P20	23931	CG4880	11.96694	0.048356333	247.4740985
12	P21		wts	60.93168667	0.035277667	1727.202857
12	P22		HFA17794	1.340584667	0.010736667	124.860416
12	P23		hpo	43.61036	0.041381667	1053.857022
12	P24		Luc	1.983878333	0.051001333	38.89855821
13	A01		DIAP1	0.513604333	0.009541667	53.82752838
13	A02		ex/ft	45.48616667	0.048263	942.4645519
13	A03		Luc	1.992885	0.056112667	35.51577778
13	A04		hpo	44.95824333	0.045064667	997.6384307
13	A05	16352	CG10459	13.01295	0.062754	207.3644708
13	A06	18903	CG7811	16.13907	0.063586	253.8148335
13	A07	16356	CG11357	7.202282667	0.047819333	150.6144516
13	A08	18906	CG7915	12.59091333	0.053555333	235.101017
13	A09	16350	CG11576	14.41184333	0.055558	259.4017663
13	A10	18900	CG11138	12.43498867	0.058752667	211.6497748
13	A11	16355	CG10646	9.090608	0.057948	156.8752675
13	A12	18899	CG8039	13.35692	0.049562	269.4992131
13	A13	16349	CG32277	13.93386667	0.060509333	230.276321
13	A14	18905	CG7883	13.17139567	0.054315	242.5001504
13	A15	16351	CG10405	13.20845333	0.047692	276.9532277
13	A16	18904	CG7834	11.95692333	0.052448	227.9767262
13	A17	16365	CG10501	14.02293	0.059292667	236.5036148
13	A18	18946	CG8027	12.64963333	0.047231667	267.821024
13	A19	16370	CG11436	13.29213	0.053618667	247.9011663
13	A20	18801	CG6687	12.43135733	0.050244333	247.4180969
13	A21	18902	CG7772	13.01794	0.042881333	303.580579
13	A22	18805	CG6700	9.591695	0.057774333	166.0200031
13	A23	18897	CG7715	11.63132833	0.056350667	206.4097733
13	A24	18807	CG6764	7.809348	0.064594	120.8989689
13	B01		DIAP1	0.492511333	0.009639667	51.09215395
13	B02		ex/ft	44.61946667	0.068042	655.763597
13	B03		Luc	2.062539	0.066622333	30.95867252
13	B04		hpo	48.32022	0.060768667	795.1502419
13	B05	18808	CG6790	12.42179333	0.063014	197.1275166
13	B06	26446	CG31108	14.29584333	0.068472	208.7837851
13	B07	18811	CG7506	11.66199567	0.062947333	185.2659207
13	B08	21269	CG8358	11.969196	0.062902333	190.2822259
13	B09	18804	CG7671	10.531372	0.057239	183.9894478
13	B10	21273	CG8417	12.71235	0.066288333	191.773565
13	B11	18809	CG6842	1.118684333	0.125155	8.938391062

13	B12	21278	CG8632	13.26573333	0.05606	236.6345582
13	B13	18802	CG7593	16.67055667	0.062809667	265.4138694
13	B14	21275	CG8493	12.65182	0.052378	241.54836
13	B15	18836	CG7563	12.16885667	0.056851667	214.045733
13	B16	21276	CG32376	12.65181	0.060293667	209.8364671
13	B17	26452	CG8732	24.99993	0.057948667	431.415103
13	B18	21277	CG8561	12.423504	0.055818667	222.5689853
13	B19	26466	CG8912	12.97113667	0.061104333	212.2785073
13	B20	21307	CG15098	9.438763667	0.047043	200.6411935
13	B21	26459	CG15930	12.55736333	0.048466	259.0963425
13	B22	23670	CG9615	10.80650933	0.053063667	203.6517642
13	B23	26460	CG33187,CG33188	11.79130967	0.043942333	268.3359934
13	B24	23669	CG9582	14.45947667	0.042991	336.3372954
13	C01	16369	CG11391	14.39357	0.068901	208.902193
13	C02	18920	CG7985	13.97696	0.066368	210.5978785
13	C03	16360	CG11482	12.86840367	0.047012333	273.7239944
13	C04	18907	CG7954	10.06204967	0.056397	178.4146261
13	C05	16364	CG10463	9.751196	0.058046	167.9908349
13	C06	18915	CG7813	13.58414333	0.055327333	245.5231893
13	C07	16368	CG11360	11.63763633	0.061441	189.411571
13	C08	18918	CG7922	10.92335667	0.049848667	219.1303679
13	C09	16378	CG10578	8.679019333	0.063835333	135.9594895
13	C10	18912	CG1856	11.018019	0.056812333	193.937097
13	C11	16367	CG10651	15.61286333	0.050619	308.4387944
13	C12	18974	CG7802	12.95825	0.053362667	242.833629
13	C13	16361	CG33159	14.00263333	0.054001	259.3032228
13	C14	18917	CG7888	13.40912	0.056893333	235.6887743
13	C15	16363	CG31284	14.34792667	0.05459	262.8306772
13	C16	18916	CG7851	13.58421667	0.042411	320.299372
13	C17	16377	CG10505	12.41930067	0.049273667	252.0474222
13	C18	18958	CG8029	6.979070667	0.031026667	224.9378169
13	C19	16438	CG10626	14.21406667	0.068005333	209.0139989
13	C20	18813	CG6689	11.96664	0.039462	303.2446404
13	C21	18914	CG32438	17.00205333	0.051739667	328.6077091
13	C22	18817	CG6707	13.90319	0.040992667	339.1628584
13	C23	18909	CG7720	16.21555333	0.046668333	347.4637334
13	C24	18819	CG6768	10.26793067	0.040169333	255.6161583
13	D01	18810	CG33090	16.72861667	0.069506333	240.6775881
13	D02	26456	CG9054	10.51718167	0.059290667	177.3834274
13	D03	18803	CG7635	11.63537	0.049602	234.5746139
13	D04	26445	CG9153	11.27421933	0.059261333	190.2457926
13	D05	18820	CG6791	10.16120867	0.052620667	193.1030014
13	D06	26458	CG10080	5.621654	0.044332	126.8080393
13	D07	18823	CG7509	14.24226067	0.054720333	260.273646
13	D08	21281	CG8365	9.808353	0.062485667	156.9696464
13	D09	18816	CG7675	14.66221333	0.059222333	247.5791227
13	D10	21285	CG8419	12.28194	0.065380667	187.8527801
13	D11	18821	CG6844	14.53519667	0.062538	232.4218342
13	D12	21290	CG8642	14.59276667	0.062075	235.0828299
13	D13	18814	CG7598	12.70565933	0.050733333	250.4400657
13	D14	21346	CG8474	12.107662	0.048763	248.2960851
13	D15	18848	CG7578	8.128366	0.059670667	136.2204657
13	D16	21288	CG8539	13.76480667	0.049178667	279.8938564
13	D17	26464	CG8735	15.78241	0.051566667	306.058371

13	D18	21289	CG8563	11.8711	0.049971	237.5597847
13	D19	26478	CG8913	12.30825333	0.042713667	288.1572643
13	D20	21319	CG15102	13.18233333	0.045956333	286.8447584
13	D21	26513	CG33119	13.34271233	0.048688333	274.0433163
13	D22	23682	CG9619	12.92988533	0.046871	275.8610939
13	D23	26472	CG16753,CG32486	14.5357	0.038053333	381.9823055
13	D24	23681	CG9593	12.57911333	0.047460333	265.0447742
13	E01	16381	CG11398	20.70231333	0.063894667	324.0069072
13	E02	18932	CG7986	19.45485667	0.066376667	293.0978255
13	E03	16372	CG11501	21.32956	0.05478	389.3676524
13	E04	18919	CG7956	16.09973667	0.047468	339.1703182
13	E05	16376	CG10467	14.77734	0.054055	273.3760059
13	E06	18927	CG7814	20.32486	0.062958667	322.8286283
13	E07	16380	CG11367	18.82723333	0.061675	305.2652344
13	E08	18930	CG7924	21.25597333	0.055258	384.6678007
13	E09	16374	CG11581	15.76884333	0.051563333	305.8150495
13	E10	18924	CG1859	17.56449667	0.06023	291.6237202
13	E11	16390	CG10589	16.07424667	0.054134667	296.9307406
13	E12	18923	CG8051	18.54848333	0.042441667	437.0347536
13	E13	16373	CG11534	16.21499	0.051058333	317.5777379
13	E14	18986	CG7808	2.178976667	0.041800333	52.12821269
13	E15	16418	CG11453	17.48169	0.048487667	360.5388999
13	E16	18928	CG7852	19.24075	0.04914	391.549654
13	E17	16389	CG10506	14.15019667	0.047437667	298.2903178
13	E18	18970	CG8031	16.17427333	0.037843333	427.4008632
13	E19	16394	CG11448	19.17137	0.046086667	415.9851729
13	E20	18825	CG6692	13.48785667	0.034886667	386.6192433
13	E21	18926	CG7785	22.14473333	0.044289	500.0052684
13	E22	18829	CG6723	18.18146	0.039939333	455.2269275
13	E23	18921	CG7722	22.64225667	0.050419333	449.0788586
13	E24	18831	CG6769	18.26084667	0.039777667	459.0728466
13	F01	18884	CG7586	20.03147667	0.079558	251.7845681
13	F02	26468	CG9075	5.151296667	0.062909667	81.88402418
13	F03	18894	CG7494	15.15437667	0.060502	250.4772845
13	F04	26457	CG18214	10.41392567	0.052950333	196.6734676
13	F05	18832	CG6798	17.14656333	0.067952	252.3334609
13	F06	26470	CG10082	13.91470333	0.053492667	260.1235683
13	F07	18835	CG33167	15.38956333	0.068325333	225.2394915
13	F08	21293	CG8372	17.40519667	0.05615	309.9767884
13	F09	18828	CG7686	6.480014333	0.054352667	119.2216451
13	F10	21297	CG8424	16.89336	0.050292	335.9055118
13	F11	18833	CG6860	16.00601667	0.048815667	327.8868806
13	F12	21334	CG33173	16.87541667	0.048711	346.4395448
13	F13	18826	CG7600	19.1572	0.049644333	385.8889568
13	F14	21299	CG8506	15.76244333	0.044477667	354.3900684
13	F15	18860	CG7580	10.54182667	0.045943333	229.4528042
13	F16	21300	CG8540	18.31924333	0.04007	457.1810166
13	F17	26476	CG8740	17.50635667	0.042999667	407.1277297
13	F18	21315	CG8681	16.03253667	0.049772333	322.1174414
13	F19	26490	CG8918	16.63123667	0.043670333	380.8360367
13	F20	23692	CG9559	13.09460333	0.039506	331.458597
13	F21	26483	CG16711	16.2839	0.042545	382.7453285
13	F22	23694	CG9620	17.01058667	0.042040333	404.6253994
13	F23	26484	CG16755	16.22202667	0.037127333	436.9294859

13	F24	23693	CG9594	11.49828	0.035017667	328.3565438
13	G01	16393	CG11403	14.57675	0.068327667	213.335984
13	G02	18944	CG7993	11.97319	0.065753	182.0934406
13	G03	16384	CG11504	17.09687667	0.063466333	269.3849758
13	G04	18931	CG7961	0.922057667	0.059843	15.40794523
13	G05	16388	CG10469	14.70753333	0.062804333	234.1802317
13	G06	18939	CG16889,CG7820	18.54207	0.054150667	342.416283
13	G07	16392	CG11374	15.44835333	0.058098333	265.9001119
13	G08	18942	CG7935	8.719724	0.080404333	108.4484335
13	G09	16386	CG11584	14.67261	0.052717	278.3278639
13	G10	18936	CG1864	17.41945333	0.062215333	279.9864985
13	G11	16391	CG10657	16.22595	0.051445667	315.3997421
13	G12	18935	CG8058	14.37829333	0.049867667	288.3289774
13	G13	16385	CG31690	14.56792667	0.043287	336.542765
13	G14	18941	CG7896	15.75881333	0.043434333	362.8192751
13	G15	16430	CG11454	9.296472667	0.045231333	205.5316963
13	G16	18991	CG30097	14.97999	0.045819667	326.9336311
13	G17	16401	CG32944	15.24375333	0.042147333	361.6777653
13	G18	18982	CG8032	17.01730333	0.041537667	409.6836606
13	G19	16406	CG11450	16.34301667	0.041424667	394.5237942
13	G20	18837	CG6695	13.539046	0.043493	311.2925298
13	G21	18938	CG7787	19.18195667	0.045040667	425.8808336
13	G22	18841	CG6724	11.350062	0.044426333	255.4805033
13	G23	18933	CG7724	16.41014	0.041522	395.2155484
13	G24	18843	CG6773	7.468886	0.049251667	151.6473757
13	H01	18834	CG7479	19.77613667	0.070732333	279.5911818
13	H02	26480	CG9088	7.414768667	0.059692333	124.216432
13	H03	18827	CG7638	17.25223333	0.0554	311.412154
13	H04	26469	CG9261	11.51396667	0.062936333	182.9462579
13	H05	18844	CG6812	14.63382333	0.055652333	262.9507598
13	H06	26482	CG10084	3.718234	0.067976667	54.69868092
13	H07	18847	CG7516	9.231243	0.051839667	178.0729621
13	H08	21305	CG8383	10.63876033	0.058525333	181.7804313
13	H09	18840	CG7694	15.54790667	0.056047667	277.4050659
13	H10	21309	CG8425	15.08045667	0.048998333	307.7748903
13	H11	18845	CG6863	14.41987333	0.043442667	331.9288257
13	H12	21314	CG8647	14.53912	0.049757667	292.1985892
13	H13	18838	CG7601	17.68119333	0.048163	367.1115448
13	H14	21303	CG8676	15.72073667	0.050717333	309.9677296
13	H15	18872	CG7582	16.07620333	0.042901	374.7279395
13	H16	21312	CG8545	10.64881567	0.052620333	202.3707375
13	H17	26521	CG16800	13.42871733	0.039558333	339.466206
13	H18	21313	CG8584	14.02100333	0.040697333	344.5189693
13	H19	26502	CG8954	4.809756333	0.035205	136.6213985
13	H20	23724	CG9533	12.207145	0.038065333	320.6892973
13	H21	26495	CG16720	14.87229667	0.035918333	414.0586516
13	H22	23676	CG9517	18.33231	0.042171333	434.7102297
13	H23	26486	CG16826	16.10656333	0.044612667	361.031172
13	H24	23705	CG9596	18.52492	0.039092	473.8800778
13	I01	16405	CG32812	18.88091333	0.072238667	261.3685192
13	I02	18956	CG7998	15.96929667	0.068760333	232.2457715
13	I03	16396	CG11508,CG2160	16.97100667	0.070621333	240.3099158
13	I04	18943	CG7962	16.31099333	0.067905333	240.2019478
13	I05	16400	CG10473	15.87253333	0.074749	212.3444238

13	I06	18951	CG7823	15.52033333	0.058936333	263.340667
13	I07	16404	CG11382	15.96328333	0.063139333	252.8262889
13	I08	18954	CG7938	15.47536667	0.0537	288.1818746
13	I09	16398	CG11585	14.03731333	0.055137667	254.5866407
13	I10	18948	CG1871	13.6604	0.061035	223.8125666
13	I11	16403	CG10662	14.09857333	0.051129	275.7451414
13	I12	18947	CG8060	19.10892	0.060572333	315.4727406
13	I13	16397	CG11546	14.01734333	0.061277333	228.7525023
13	I14	18953	CG7899	12.62005333	0.052296	241.3196675
13	I15	16399	CG10431	13.49119667	0.051927667	259.8074886
13	I16	18952	CG7864	14.06479333	0.05372	261.8167039
13	I17	16426	CG10624	18.21758	0.053185	342.5322929
13	I18	18806	CG6735	16.87819	0.047577667	354.750268
13	I19	18901	CG7741	15.65365333	0.046245667	338.4890837
13	I20	18849	CG6696	14.49609	0.052551333	275.8462836
13	I21	18950	CG7789	17.96656	0.051586333	348.2813924
13	I22	18853	CG6725	18.23764667	0.047019667	387.8727341
13	I23	18945	CG7725	19.45479	0.050669333	383.9559102
13	I24	18855	CG6776	16.52257	0.043064667	383.6688236
13	J01	18846	CG7483	6.965509333	0.179933	38.71168342
13	J02	26492	CG33180	13.12611667	0.063443667	206.8940425
13	J03	18867	CG6779	1.628434333	0.043934333	37.0651882
13	J04	26529	CG10026	16.50769333	0.064086	257.5865764
13	J05	18856	CG6814	21.35893667	0.068963333	309.7143893
13	J06	26494	CG10106	14.72215	0.061784333	238.282898
13	J07	18859	CG7526	15.34740333	0.052013	295.0686046
13	J08	21317	CG8394	14.55760333	0.056146667	259.2781406
13	J09	18852	CG7697	28.8816	0.065182333	443.0893852
13	J10	21321	CG8434	15.80674667	0.054522667	289.9114741
13	J11	18857	CG7449	14.34390333	0.046937667	305.5947249
13	J12	21326	CG8648	13.300978	0.061075	217.7810561
13	J13	18850	CG7619	5.573028667	0.053471667	104.2239566
13	J14	21323	CG8515	13.43482667	0.048738	275.6540413
13	J15	26499	CG8709	14.84209	0.044356	334.6129047
13	J16	21358	CG8476	17.20740333	0.048792	352.6685386
13	J17	26500	CG8776	16.42923333	0.048495	338.782005
13	J18	21351	CG8704	13.07414	0.048457	269.8091091
13	J19	26514	CG8980	12.15347333	0.047311333	256.8829174
13	J20	23716	CG9564	15.25665333	0.05158	295.786222
13	J21	26507	CG16727	16.72005	0.041881333	399.2243959
13	J22	23736	CG9542	16.57017667	0.046351	357.4934018
13	J23	26525	CG8864	14.92287667	0.043329333	344.4058682
13	J24	23717	CG9597	16.29397667	0.038162333	426.9648956
13	K02	18968	CG7999	11.94567333	0.07329	162.9918588
13	K03	16408	CG11513	6.648583333	0.060655667	109.6119077
13	K04	18962	CG31037	10.784959	0.061994333	173.9668518
13	K05	16412	CG10474	10.836422	0.069445	156.0432285
13	K06	18963	CG7824	11.57666267	0.065512	176.710567
13	K07	16416	CG11384	12.54454667	0.064357667	194.9192274
13	K08	18966	CG7942	13.57812	0.057785667	234.9738401
13	K09	16410	CG11588	11.30123667	0.066878667	168.9811898
13	K1	16417	CG11412	13.63601333	0.070454333	193.5439978
13	K10	18960	CG1885	13.12323333	0.059048333	222.245618
13	K11	16415	CG10663	16.41484	0.055373667	296.4376569

13	K12	18959	CG1845	6.591698667	0.057498333	114.6415606
13	K13	16402	CG10594	12.28285667	0.058353	210.4922912
13	K14	18965	CG7908	13.17827333	0.061043667	215.8827288
13	K15	16411	CG32105	13.31104	0.056695667	234.7805535
13	K16	18964	CG7870	11.27999667	0.053255667	211.8083835
13	K17	16425	CG10543	7.974801	0.049365	161.5476755
13	K18	18854	CG6750	10.97902967	0.052846	207.7551691
13	K19	18949	CG7757	8.296401	0.063749	130.141665
13	K20	18861	CG6697	12.82411667	0.058475333	219.3081413
13	K21	18981	CG7739	12.91583333	0.055115	234.3433427
13	K22	18865	CG6726	14.98229	0.054085667	277.0103601
13	K23	18957	CG7726	1.618018	0.044739	36.16571671
13	K24	18878	CG6758	11.00475333	0.043328333	253.9851521
13	L01	18858	CG7487	16.56157333	0.100296	165.1269575
13	L02	26538	CG9005	18.00639	0.070453667	255.5777556
13	L03	18879	CG31305	17.29678333	0.072478333	238.6476418
13	L04	26493	CG9297	15.68627333	0.073415333	213.6648112
13	L05	18868	CG6818	15.67506667	0.068395	229.1843946
13	L06	21286	CG8455	15.98121667	0.068380333	233.710716
13	L07	18871	CG7528	19.86218333	0.149919	132.486098
13	L08	21329	CG8395	6.778103	0.067979667	99.70779988
13	L09	18864	CG7697,CG7698	21.72821	0.055042	394.7569129
13	L10	21333	CG8442	11.484752	0.057143333	200.9814852
13	L11	18869	CG7452	15.33133667	0.05912	259.3257217
13	L12	21338	CG8652	13.509984	0.055240667	244.5659116
13	L13	18862	CG7622	1.370626667	0.044091667	31.08584389
13	L14	21335	CG8522	10.386199	0.051757667	200.6697687
13	L15	26511	CG8715	17.5369	0.058784	298.3277763
13	L16	21336	CG8550	13.02463667	0.057887	225.0010653
13	L17	26491	CG15923	16.40665667	0.058890667	278.5951934
13	L18	21337	CG8591	13.25349667	0.059264667	223.6323498
13	L19	26465	CG8828	12.40405	0.062896	197.2152442
13	L20	23728	CG9565	14.29662	0.051420333	278.0343703
13	L21	26519	CG16734	14.31165667	0.053477333	267.6209858
13	L22	23700	CG9523	16.82402667	0.051092667	329.2845679
13	L23	26510	CG16850	17.67444333	0.045886	385.1816095
13	L24	23729	CG9606	9.305253	0.042904	216.8854419
13	M01	16429	CG11415	14.72378	0.071993333	204.5158811
13	M02	18980	CG32068	12.50084467	0.063592667	196.5768275
13	M03	16407	CG10373	11.94476433	0.069609667	171.5963444
13	M04	18967	CG7966	14.70992	0.065219333	225.5453904
13	M05	16424	CG10481	13.46177333	0.055861333	240.9855356
13	M06	18975	CG7826	9.746658333	0.057097333	170.7025138
13	M07	16428	CG11387	8.88482	0.059778333	148.6294365
13	M08	18978	CG7946	14.33346667	0.055144	259.9279462
13	M09	16422	CG11589	13.68208	0.058632667	233.3525111
13	M10	18972	CG1887	17.62299667	0.054882333	321.1050915
13	M11	16427	CG10667	12.55260267	0.045389333	276.5540215
13	M12	18971	CG1849	13.9399	0.060368667	230.9128356
13	M13	16421	CG11570	13.26157333	0.052243333	253.8424041
13	M14	18977	CG7910	14.76821667	0.050123333	294.6375607
13	M15	16423	CG10444	14.68677333	0.047336333	310.264279
13	M16	18976	CG7878	16.6296	0.058424333	284.6348268
13	M17	16437	CG10546,CG32912	16.22423	0.053364333	304.0275965

13	M18	18866	CG6756	14.77778667	0.044170333	334.5636211
13	M19	18961	CG7762	0.812426	0.018935333	42.90529169
13	M20	18873	CG6698	13.91711667	0.047008	296.0584723
13	M21	18985	CG7768	16.97480333	0.047425667	357.924401
13	M22	18877	CG6729	17.73896333	0.045991333	385.7023062
13	M23	18969	CG7728	8.361955667	0.047865333	174.6975334
13	M24	18890	CG6760	17.08005333	0.052993	322.3077262
13	N01	18891	CG6784	16.35513	0.079603667	205.4569932
13	N02	26516	CG9140	12.07289467	0.059641	202.4260939
13	N03	18863	CG7656	14.04017	0.067712	207.3512819
13	N04	26505	CG9302	13.63210333	0.080337667	169.6850792
13	N05	18880	CG6839	11.73827233	0.058829667	199.5298121
13	N06	21298	CG8457	13.76196667	0.064499	213.3671323
13	N07	18883	CG7536	14.46756333	0.062892333	230.0369944
13	N08	21341	CG8404	15.59204667	0.059741333	260.9926126
13	N09	18876	CG7702	14.93750667	0.057568	259.4758662
13	N10	21345	CG33154	12.29984133	0.058667667	209.6528127
13	N11	18881	CG7456	9.839853	0.052751	186.5339614
13	N12	21350	CG8666	14.22739667	0.055428333	256.6809394
13	N13	18887	CG7670	17.14515	0.05804	295.4023088
13	N14	21347	CG8523	12.86802333	0.056169667	229.0920366
13	N15	26523	CG11198	18.99717	0.051258667	370.6138149
13	N16	21348	CG8553	23.16274667	0.051265667	451.8179158
13	N17	26524	CG8793	12.51841867	0.055728333	224.6329276
13	N18	21349	CG8602	14.14365667	0.048374	292.3813757
13	N19	26477	CG8831	5.943117667	0.039703667	149.6868719
13	N20	23740	CG9571	9.357282667	0.049222667	190.1010916
13	N21	26503	CG15924	14.91355667	0.045072667	330.8780636
13	N22	23753	CG9613	16.97379333	0.04348	390.3816314
13	N23	26522	CG31847	14.57197667	0.046243667	315.1129164
13	N24	23741	CG9610	13.653302	0.044198667	308.9075538
13	O01	16441	CG11417,CG12773	10.318174	0.075228667	137.1574754
13	O02	18992	CG8001	10.59488267	0.060014333	176.5392045
13	O03	16419	CG10390	14.10261667	0.064903333	217.2864773
13	O04	18979	CG7967	14.785274	0.071480667	206.8429785
13	O05	16436	CG10486	9.908987	0.052590667	188.417216
13	O06	18987	CG7829	12.84650333	0.062491	205.5736559
13	O07	16440	CG11388	11.56442367	0.058799	196.6772167
13	O08	18990	CG7948	13.04492	0.062727333	207.9622918
13	O09	16434	CG11592	16.88290667	0.06412	263.3017259
13	O10	18984	CG1894	10.45395633	0.050926333	205.2760458
13	O11	16439	CG11356	11.52961767	0.045914	251.1133351
13	O12	18983	CG1851	11.53892833	0.048416	238.3288238
13	O13	16433	CG11573	12.01474967	0.050438667	238.2051402
13	O14	18989	CG7913	14.30747	0.055885667	256.0132294
13	O15	16435	CG10445	14.21390333	0.051786333	274.4720937
13	O16	18988	CG7879	9.962142	0.057047667	174.6283868
13	O17	16431	CG10393	14.31669667	0.048077	297.7868142
13	O18	18842	CG6749	14.63888	0.046870667	312.3249794
13	O19	18973	CG7764	23.33125667	0.061409333	379.9301409
13	O20	18885	CG6699	1.658573667	0.045299	36.61391348
13	O21		wts	71.59907333	0.037686333	1899.868387
13	O22		HFA17794	1.688096333	0.01105	152.7688989
13	O23		hpo	41.37055	0.032975	1254.603487

13	O24		Luc	2.014433333	0.061143333	32.94608297
13	P01	18882	CG31731	19.48008333	0.083441	233.4593705
13	P02	26528	CG9147	15.29934333	0.072982333	209.6307782
13	P03	18875	CG7660	12.59088333	0.061095	206.0869684
13	P04	26517	CG9320	13.39719667	0.065259333	205.2916569
13	P05	18892	CG6841	6.902976333	0.085941667	80.3216484
13	P06	21310	CG8458	10.79383133	0.059499	181.4119789
13	P07	18895	CG7540	15.26895667	0.071401	213.8479386
13	P08	21353	CG8408	12.66565	0.058214	217.5705157
13	P09	18888	CG7714	10.960197	0.056338667	194.5412919
13	P10	21357	CG8448	12.98539667	0.0631	205.7907554
13	P11	18896	CG7590	11.48292333	0.059892333	191.7260974
13	P12	21362	CG8667	13.33795333	0.048592667	274.4849017
13	P13	18886	CG7628	14.18934	0.060065	236.2330808
13	P14	21359	CG8527	11.50105	0.045063333	255.2196908
13	P15	26535	CG8728	14.86319667	0.048095333	309.0361504
13	P16	21360	CG32383	11.14667067	0.050633333	220.1449111
13	P17	26536	CG8798	15.18109	0.041032	369.9817216
13	P18	21361	CG8630	11.38725333	0.054793333	207.8218761
13	P19	26489	CG8833	14.15518333	0.049568333	285.5690797
13	P20	23752	CG9572	12.15790167	0.049229667	246.9629085
13	P21		wts	57.25311667	0.035023333	1634.713524
13	P22		HFA17794	1.341618667	0.010752667	124.7707855
13	P23		hpo	43.97884	0.041611	1056.904184
13	P24		Luc	1.960375333	0.05017	39.07465285
14	A01		DIAP1	0.455847	0.009880333	46.13680375
14	A02		ex/ft	41.41850667	0.056044	739.0355197
14	A03		Luc	1.520605	0.050459667	30.13505836
14	A04		hpo	38.2939	0.039961	958.2818248
14	A05	23672	CG9698	9.108285667	0.045550333	199.9609004
14	A06	27118	CG3000	10.00682533	0.054424333	183.8667508
14	A07	23665	CG9873	11.350099	0.061436333	184.7457097
14	A08	27125	CG3121	12.75823667	0.049685	256.7824628
14	A09	23671	CG9657	11.36030033	0.050809333	223.5868804
14	A10	27117	CG1515	8.341586667	0.048145	173.259667
14	A11	23673	CG9727	11.24155667	0.049130667	228.8093655
14	A12	22905	CG8675	8.500735	0.047574667	178.6819666
14	A13	23675	CG9829	11.49970133	0.052032333	221.0106793
14	A14	22908	CG9222	12.98034	0.049211667	263.7655028
14	A15	23691	CG9949	8.425986	0.049360667	170.7024351
14	A16	22906	CG8808	10.347595	0.046450667	222.7652635
14	A17	27120	CG8339	13.26665667	0.038974333	340.3947042
14	A18	22898	CG9493	11.75659333	0.037581	312.8334353
14	A19	27124	CG1193	12.01118	0.043409333	276.6957951
14	A20	22904	CG8519	11.87765	0.033315	356.5255891
14	A21	27123	CG17957	11.33519333	0.040312	281.186578
14	A22	22899	CG9783	10.112144	0.034459333	293.4515274
14	A23	27121	CG15097	12.77918333	0.042609333	299.9151203
14	A24	22897	CG7643	8.172361333	0.035894667	227.6762007
14	B01		DIAP1	0.481887667	0.012149667	39.66262449
14	B02		ex/ft	41.95495	0.06908	607.3385929
14	B03		Luc	1.510127667	0.062164667	24.29237938
14	B04		hpo	36.17382	0.051876667	697.3042473
14	B05	20417	CG6946	5.840595333	0.053853	108.4544098

14	B06	20323	CG17521	0.913358333	0.029858333	30.58972928
14	B07	20416	CG31915	11.44507267	0.053339	214.5723142
14	B08	20321	CG31139	11.95569933	0.064988	183.9677992
14	B09	20411	CG31318	12.94196667	0.062907333	205.7306514
14	B10	20322	CG17302	11.89101667	0.059857667	198.6548646
14	B11	20413	CG18802	12.63998	0.053917333	234.4325882
14	B12	20338	CG17743	8.457632	0.047573333	177.7809417
14	B13	20410	CG7101	11.04458267	0.054879	201.2533513
14	B14	20226	CG8232	8.829957333	0.052131333	169.379081
14	B15	20418	CG6980	11.697622	0.051387667	227.6348151
14	B16	20223	CG7365	11.28872667	0.048193	234.2399657
14	B17	20448	CG18398	1.290633333	0.031361667	41.15321252
14	B18	20225	CG8169	11.142849	0.04568	243.9327715
14	B19	20319	CG3278	8.065969	0.051635333	156.210263
14	B20	20227	CG8298	10.437643	0.045284	230.4929556
14	B21	20320	CG17065	10.77392833	0.046657333	230.9160761
14	B22	20234	CG7269	3.219598667	0.029243333	110.0968426
14	B23	20325	CG15095	12.72173333	0.0398	319.641541
14	B24	20224	CG8068	9.320505333	0.074226667	125.5681516
14	C01	23666	CG9903	10.38170667	0.054413333	190.793433
14	C02	27126	CG4909	12.42774667	0.049861333	249.2461761
14	C03	23674	CG9773	8.610228667	0.047509667	181.2310898
14	C04	27116	CG6159	13.40871667	0.037430667	358.2281017
14	C05	23684	CG9701	8.003573667	0.049905667	160.3740457
14	C06	27130	CG3073	8.326849667	0.040934333	203.4196966
14	C07	23677	CG9882	10.28380433	0.050237333	204.704423
14	C08	27137	CG3210	14.13536	0.041558	340.1357139
14	C09	23750	CG9935	10.38577067	0.044528	233.2413463
14	C10	27129	CG32858	14.57686333	0.047462	307.127035
14	C11	23685	CG9733	8.387356333	0.049617333	169.0408527
14	C12	22917	CG8707	8.709940667	0.039399	221.0700948
14	C13	23730	CG9637	12.34632333	0.043211667	285.7173603
14	C14	22920	CG9311	7.996654	0.043461667	183.9932661
14	C15	23703	CG9951	10.357354	0.037994	272.6049903
14	C16	22918	CG8865	11.71582667	0.040751	287.4978937
14	C17	27132	CG8403	11.266491	0.038301667	294.1514556
14	C18	22910	CG9575	10.209016	0.038229	267.0489942
14	C19	27136	CG1412	10.75203433	0.044127	243.6611221
14	C20	22938	CG32555	11.300028	0.032428667	348.4579898
14	C21	27115	CG17237	9.924761	0.034261	289.6810076
14	C22	22911	CG9784	10.796016	0.034373667	314.0781024
14	C23	27133	CG17035,CG6117	10.667981	0.035117	303.7839508
14	C24	22907	CG32301	12.16902667	0.035142	346.2815624
14	D01	20431	CG7015	8.883693333	0.067151333	132.2936253
14	D02	20332	CG17077	1.600097667	0.116107	13.7812334
14	D03	20427	CG6877	9.683117	0.049805333	194.4192791
14	D04	20336	CG17636	8.420983333	0.056805333	148.2428293
14	D05	20429	CG6947	4.470015667	0.047823	93.469997
14	D06	20335	CG17544	9.255657	0.061477333	150.5539765
14	D07	20428	CG6927	8.821069	0.046298	190.528079
14	D08	20333	CG31722	10.7611	0.047119667	228.3781011
14	D09	20474	CG18675	9.575115667	0.047401	202.002398
14	D10	20334	CG17322	9.570886	0.037529	255.0264062
14	D11	20425	CG31212	11.92188333	0.061807667	192.8868048

14	D12	20229	CG7139	10.33970633	0.044387667	232.9409746
14	D13	20422	CG7102	10.63265833	0.040711	261.1740889
14	D14	20238	CG8233	5.897601333	0.044219	133.3725623
14	D15	20412	CG18332	4.802922333	0.035945	133.6186489
14	D16	20235	CG7379	7.413397	0.052014667	142.5251275
14	D17	20460	CG18419	10.617305	0.038336667	276.9490914
14	D18	20221	CG7192	12.25823867	0.061015667	200.9031342
14	D19	20331	CG16941	4.506353	0.052849333	85.26792517
14	D20	20239	CG8336	10.10225033	0.031259333	323.1754889
14	D21	20342	CG15407	11.42101	0.037477333	304.7444678
14	D22	20246	CG7288	7.900888	0.040375667	195.6843974
14	D23	20337	CG15099	10.98296867	0.035877	306.1284017
14	D24	20236	CG8085	13.37543667	0.048011667	278.5872184
14	E01	23706	CG9621	17.58919333	0.053203333	330.6032203
14	E02	27138	CG4937	16.62647667	0.046821667	355.1021963
14	E03	23754	CG9643	14.35329333	0.048380333	296.6761976
14	E04	27128	CG9484	25.17552667	0.039432	638.4542165
14	E05	23696	CG31013	16.48009	0.054388667	303.0059571
14	E06	27142	CG3077	15.91375333	0.039524	402.6351921
14	E07	23689	CG9885	16.94528667	0.050618	334.7680008
14	E08	27149	CG3299	16.59245667	0.041941333	395.6110917
14	E09	23695	CG9664	19.31554333	0.049568333	389.6750614
14	E10	27200	CG1514	14.62513333	0.041688667	350.8179681
14	E11	23697	CG9737	16.19455667	0.048233	335.7567779
14	E12	22929	CG8726	14.42393	0.04222	341.6373757
14	E13	23742	CG9642	16.26844667	0.044021667	369.5554462
14	E14	22932	CG9374	14.12584667	0.065221333	216.5832243
14	E15	23715	CG9952	15.78202333	0.041457333	380.6811019
14	E16	22930	CG8866	16.26885333	0.040297333	403.7203454
14	E17	27144	CG8497	15.01517667	0.043658333	343.9246421
14	E18	22922	CG31311	13.37926	0.042959333	311.4401217
14	E19	27148	CG1424	18.00856667	0.036990333	486.8452118
14	E20	22950	CG8250	12.81346667	0.036429333	351.7348657
14	E21	27147	CG7250	15.40473667	0.046619333	330.4366572
14	E22	22939	CG8418	15.24986	0.035311	431.8727875
14	E23	27158	CG8407	17.35805333	0.037270333	465.7337829
14	E24	22921	CG7717	14.8228	0.027221667	544.5221331
14	F01	20443	CG7017	14.47275333	0.058313667	248.1880177
14	F02	20316	CG17999	11.98918333	0.053733333	223.1237593
14	F03	20439	CG6878,CG7011	16.4471	0.056374	291.7497428
14	F04	20348	CG17646	13.79326333	0.057984333	237.8791398
14	F05	20441	CG6949	9.695736333	0.047953667	202.1896761
14	F06	20347	CG31217	14.82832	0.062646667	236.6976695
14	F07	20440	CG6928	11.90321733	0.044304	268.6713916
14	F08	20345	CG17184	15.46965333	0.046880333	329.9817265
14	F09	20435	CG32354	13.29226333	0.045507333	292.0905788
14	F10	20346	CG17324	12.52947	0.049857333	251.3064611
14	F11	20437	CG18495,CG30382	1.729802333	0.021157667	81.757708
14	F12	20241	CG7144	12.81520333	0.041282	310.4307769
14	F13	20434	CG7108	12.17030333	0.055139333	220.7190874
14	F14	20250	CG8251	10.64460567	0.036898	288.4873345
14	F15	20424	CG18347	14.68356	0.037924667	387.1770352
14	F16	20247	CG7391	12.78835333	0.037968	336.8192513
14	F17	20329	CG15117	16.02154333	0.038346333	417.8116117

14	F18	20249	CG8174	13.58664	0.037392	363.3568678
14	F19	20343	CG16944	9.307523667	0.039868	233.4585047
14	F20	20251	CG8351	6.742209667	0.035124333	191.9526729
14	F21	20354	CG15445	10.30822167	0.045416333	226.9716842
14	F22	20258	CG7309	12.81250333	0.031443667	407.4748492
14	F23	20349	CG15101	15.29952	0.039445667	387.8631366
14	F24	20248	CG8092	12.35906	0.032662667	378.3849043
14	G01	23718	CG9630	9.885328333	0.053149	185.9927437
14	G02	27150	CG5634	15.27937333	0.051847667	294.6974149
14	G03	23698	CG9793	12.66756667	0.046210667	274.1264643
14	G04	27140	CG9579	14.30988	0.047442667	301.6246979
14	G05	23708	CG9716	11.56447	0.058805333	196.6568225
14	G06	27154	CG3093	17.10379333	0.081821	209.0391627
14	G07	23701	CG9886	14.33261333	0.046357333	309.1768293
14	G08	27161	CG3322	11.26954333	0.044930333	250.8226069
14	G09	23707	CG9665	13.18306667	0.053602667	245.9405005
14	G10	27153	CG1571	11.006899	0.045635333	241.1924751
14	G11	23709	CG9742	9.951100333	0.042347	234.9894995
14	G12	22941	CG8742	12.636495	0.039830333	317.258078
14	G13	23711	CG15675,CG9865	13.19277	0.042544667	310.0922168
14	G14	22944	CG9375	3.467432333	0.043917	78.95421667
14	G15	23727	CG32951	13.8502	0.042994	322.1426246
14	G16	22972	CG10188	12.94749333	0.043133667	300.1714052
14	G17	27156	CG8566	11.8443	0.037781333	313.4960827
14	G18	22934	CG14367,CG9611	14.09280333	0.038548333	365.5878767
14	G19	27160	CG1453	9.238616	0.037137667	248.7667328
14	G20	22940	CG8606	13.90789333	0.034294333	405.5449394
14	G21	27159	CG8595	12.18318	0.036889	330.2659329
14	G22	22951	CG31319	13.67050333	0.033729	405.3041399
14	G23	27157	CG17834,CG18042	12.86456333	0.034446333	373.4668421
14	G24	22931	CG9108	13.64698667	0.032653333	417.9354839
14	H01	20432	CG31873	14.54464	0.055422333	262.4328339
14	H02	20356	CG17110	12.39955333	0.047675667	260.0813832
14	H03	20451	CG6895	11.60289233	0.049930667	232.3800804
14	H04	20360	CG17664	10.033996	0.053697667	186.8609313
14	H05	20453	CG6950	10.47262733	0.051104667	204.9250688
14	H06	20359	CG17562	9.051439667	0.067509333	134.0768634
14	H07	20452	CG6931	11.14198	0.049214667	226.395519
14	H08	20357	CG17209	2.80666	0.082217667	34.13694543
14	H09	20447	CG7161	12.44398333	0.040135667	310.0480039
14	H10	20358	CG17332	7.173859667	0.023128	310.1807189
14	H11	20449	CG18525	14.74213333	0.044134	334.031208
14	H12	20253	CG7145	13.33978	0.045275333	294.6368147
14	H13	20446	CG7113	10.83666333	0.043592	248.5929375
14	H14	20262	CG8256	13.34417	0.051266333	260.2910942
14	H15	20454	CG6988	14.15919	0.037219667	380.4222678
14	H16	20259	CG7399	15.90922333	0.044769	355.3624904
14	H17	20341	CG15141	9.535106333	0.038426333	248.1398954
14	H18	20261	CG8177	15.04364333	0.035150667	427.976046
14	H19	20401	CG15293	11.44293333	0.033271333	343.9277055
14	H20	20263	CG8363	12.03326333	0.029544333	407.2951384
14	H21	20366	CG15459	11.35783	0.032226	352.4430584
14	H22	20270	CG7324	13.29956	0.034434333	386.2296352
14	H23	20361	CG15104	13.15412333	0.035926333	366.1415489

14	H24	20260	CG8108	8.175147667	0.047836	170.899483
14	I01	23702	CG9918	13.04055	0.064702333	201.5468273
14	I02	27162	CG5695	12.78625367	0.058792667	217.4804171
14	I03	23710	CG9799	9.66636	0.058536333	165.134361
14	I04	27152	CG1099	13.11769	0.047904	273.8328741
14	I05	23720	CG9720	11.21544767	0.055389	202.4851084
14	I06	27166	CG32758	12.03918	0.061986	194.2241797
14	I07	23713	CG9887	13.27104667	0.059496	223.0577966
14	I08	27173	CG3399	15.49640667	0.053828	287.8874687
14	I09	23719	CG9666	11.53260333	0.064174333	179.7074116
14	I10	27201	CG1842	11.62297967	0.047602667	244.1665663
14	I11	23721	CG9753	7.939824	0.048195667	164.7414498
14	I12	22953	CG8767	12.24417	0.046112333	265.5291787
14	I13	23723	CG9868	14.30802667	0.048125	297.309645
14	I14	22956	CG9389	15.21522333	0.052499667	289.8156179
14	I15	23739	CG9964	13.23702333	0.045156667	293.1355282
14	I16	22954	CG8878	10.23341	0.041528667	246.4179763
14	I17	27168	CG8624	13.36833667	0.045990667	290.674992
14	I18	22913	CG7978	12.0505	0.043324	278.1483704
14	I19	27172	CG1782	15.60363	0.059044667	264.2682376
14	I20	22952	CG8637	10.09990133	0.037567667	268.8455853
14	I21	27171	CG31534	12.35506333	0.040876667	302.2522221
14	I22	22947	CG9856	13.05951667	0.031275333	417.5660265
14	I23	27169	CG6875	13.59995667	0.037754333	360.2224027
14	I24	22943	CG9115	16.81872333	0.065917667	255.1474314
14	J01	20467	CG7024	13.03492667	0.056546	230.5189875
14	J02	20368	CG17111	11.08040667	0.058441	189.5998814
14	J03	20444	CG18174	0.514573	0.021540667	23.88844356
14	J04	20327	CG17821	9.569253667	0.050668667	188.8593937
14	J05	20465	CG6953	9.590980333	0.047865333	200.3742514
14	J06	20371	CG17569	8.102598333	0.043807667	184.9584548
14	J07	20464	CG6932	7.724279333	0.052734333	146.4753386
14	J08	20369	CG17221	14.04441	0.049320333	284.7590243
14	J09	20459	CG33057,CG7163	9.264846	0.045478333	203.7199985
14	J10	20370	CG17336	13.43356	0.050947667	263.6737044
14	J11	20445	CG7068	11.011464	0.041535	265.1128927
14	J12	20265	CG7148	13.00666667	0.043017333	302.3587391
14	J13	20480	CG18315	12.00479667	0.044327	270.8235763
14	J14	20274	CG8272	10.04846767	0.041591333	241.6000369
14	J15	20466	CG32706,CG6999	12.66324667	0.045069333	280.9725756
14	J16	20271	CG7400	11.21925333	0.041859333	268.0227428
14	J17	20353	CG15143	10.77101933	0.037253667	289.1264216
14	J18	20273	CG8199	13.74741333	0.043286	317.5949114
14	J19	20367	CG16987	10.69376667	0.038084333	280.7917516
14	J20	20275	CG8378	13.84940333	0.047144333	293.7660235
14	J21	20378	CG16868	12.48096333	0.038800667	321.6687858
14	J22	20282	CG7349	10.443874	0.035616333	293.2327116
14	J23	20373	CG15105	10.658501	0.035825	297.5157292
14	J24	20308	CG8153	11.58444	0.039079333	296.4339207
14	K02	27174	CG5730	13.28473333	0.071923667	184.7060078
14	K03	23722	CG9802	12.60632333	0.061293333	205.6720144
14	K04	27164	CG1212	15.19167	0.056739667	267.7433776
14	K05	23732	CG9722	10.402206	0.060076667	173.1488542
14	K06	27178	CG3157	8.925225667	0.051839667	172.169812

14	K07	23725	CG9895	8.475592667	0.073048333	116.0271875
14	K08	27185	CG3504	10.92270033	0.059792667	182.6762535
14	K09	23731	CG13029,CG9668	12.028569	0.050586667	237.7814114
14	K1	23714	CG9920	10.311234	0.048761667	211.461886
14	K10	22924	CG10060	8.542539667	0.082745	103.2393458
14	K11	23751	CG31684	10.812836	0.050036333	216.0996876
14	K12	22965	CG8770	9.987231	0.055173333	181.0155449
14	K13	23735	CG9870	12.56529667	0.052918	237.4484422
14	K14	22968	CG9391	9.271110667	0.045539667	203.5831912
14	K15	27119	CG6976	11.66671467	0.047790333	244.1228979
14	K16	22966	CG8914	9.208129	0.053040333	173.6061676
14	K17	27180	CG8639	10.607771	0.049465667	214.4471452
14	K18	22958	CG9738	12.13967	0.037691333	322.0812035
14	K19	27184	CG2999	12.18888667	0.049711333	245.1933161
14	K20	22964	CG8641	11.88733733	0.048097333	247.1516924
14	K21	27203	CG8127	6.658961333	0.045328333	146.9050557
14	K22	22959	CG9962	10.89768	0.037985	286.8943004
14	K23	27194	CG17766	11.35745	0.036824	308.4252118
14	K24	22955	CG9139	12.45730667	0.037181	335.0449602
14	L01	20479	CG7039	14.01261667	0.074426	188.2758265
14	L02	20380	CG17118	14.103	0.060339667	233.7268464
14	L03	20475	CG6903	11.69822533	0.058423333	200.2320762
14	L04	20339	CG17829	14.26766	0.077781667	183.4321712
14	L05	20477	CG6962	2.952712	0.048677333	60.65886929
14	L06	20383	CG17575	12.57078667	0.062220333	202.0366333
14	L07	20426	CG18605	9.719730333	0.061427667	158.2304987
14	L08	20381	CG17223	10.880183	0.044035	247.0803452
14	L09	20471	CG7176	11.30582333	0.053288333	212.1632002
14	L10	20382	CG31793	11.41574967	0.049927333	228.6472941
14	L11	20473	CG18559	12.13915	0.048861	248.4425206
14	L12	20277	CG7154	4.455214	0.042339667	105.2255332
14	L13	20470	CG7143	11.58526667	0.050266	230.4791841
14	L14	20286	CG8285	12.79351333	0.044739333	285.9567271
14	L15	20478	CG7002	11.35469333	0.042432667	267.5932065
14	L16	20283	CG7414	11.09737167	0.049197667	225.5670323
14	L17	20365	CG33097	10.82379	0.035528333	304.6523432
14	L18	20285	CG8205	12.82966667	0.044834	286.1593136
14	L19	20379	CG17052	12.65144333	0.034678333	364.8227039
14	L20	20287	CG8379	11.74158333	0.039926333	294.0811828
14	L21	20390	CG16892	12.93399667	0.036626333	353.1338108
14	L22	20269	CG7213	13.39744667	0.035093667	381.7625213
14	L23	20385	CG15106	14.00453333	0.044773333	312.7873734
14	L24	20284	CG8111	11.30845	0.042648	265.1578034
14	M01	23726	CG9926	11.814848	0.053799333	219.6095615
14	M02	27177	CG1762	9.927544667	0.060988	162.7786559
14	M03	23758	CG9826	12.64425667	0.053033	238.4224288
14	M04	27189	CG1763	11.37520333	0.058973	192.8883274
14	M05	23744	CG32573,CG9723	9.19693	0.046168333	199.2042887
14	M06	27190	CG3571	11.42087667	0.055529	205.6740922
14	M07	23737	CG9897	11.91072	0.056458667	210.9635367
14	M08	27197	CG3510	6.578570333	0.068146	96.53641202
14	M09	23743	CG9673	13.53152333	0.048208333	280.6884702
14	M10	22936	CG10079	9.483473333	0.036151	262.3294883
14	M11	23745	CG9768	10.533895	0.054241667	194.2030112

14	M12	22973	CG8173	12.23541	0.041635	293.8731836
14	M13	23747	CG9871	11.76937667	0.046926	250.8071574
14	M14	22975	CG8487	6.590123	0.048500667	135.876957
14	M15	27131	CG7034	11.420967	0.044952667	254.066507
14	M16	22978	CG8948	10.015092	0.036352333	275.5006648
14	M17	27192	CG8649	11.61829967	0.046181667	251.5781804
14	M18	22937	CG8057	11.30173667	0.052088667	216.9711262
14	M19	27196	CG3020	12.09643	0.037915	319.040749
14	M20	22991	CG9210	11.28184367	0.042136667	267.7440946
14	M21	27195	CG1134	11.522147	0.043461667	265.1105649
14	M22	22971	CG9994	9.684255	0.037611667	257.4800815
14	M23	27193	CG7129	15.59276333	0.045143667	345.4031204
14	M24	20420	CG18143	12.70792333	0.041453667	306.5572808
14	N01	20491	CG7042	12.83048667	0.061725667	207.8630715
14	N02	20392	CG17121	11.09155667	0.056702667	195.6090836
14	N03	20487	CG6910	12.39698	0.056391333	219.8383912
14	N04	20396	CG17723	10.89108767	0.059850333	181.9720469
14	N05	20489	CG6966	12.01169333	0.043055	278.9848643
14	N06	20395	CG17593	8.673423	0.047154333	183.9369234
14	N07	20488	CG6937	4.734957667	0.059445	79.65274904
14	N08	20340	CG18005	9.947916333	0.05662	175.6961557
14	N09	20483	CG7184	13.99704667	0.05834	239.9219518
14	N10	20388	CG18031	11.24288667	0.039009	288.2126347
14	N11	20469	CG7081	13.38831	0.053114667	252.064276
14	N12	20289	CG7185	16.02676	0.081519	196.6015285
14	N13	20486	CG30427	13.04031667	0.049516	263.3556157
14	N14	20298	CG8290	9.162331	0.04658	196.7009661
14	N15	20493	CG10962	11.33533067	0.042567	266.2938583
14	N16	20295	CG7420	13.70897667	0.048284333	283.921838
14	N17	20377	CG15199	12.69457667	0.044641667	284.3661004
14	N18	20297	CG8209	10.68334733	0.04835	220.9585798
14	N19	20391	CG17058	10.15101533	0.042763667	237.3747652
14	N20	20245	CG7207	9.837323667	0.041706333	235.8712186
14	N21	20402	CG16935	12.50150333	0.035619	350.978504
14	N22	20305	CG7261	10.08469767	0.038909667	259.1823197
14	N23	20397	CG18608	11.98580333	0.042063333	284.9465885
14	N24	20296	CG8144	10.28977833	0.032806667	313.6490043
14	O01	23738	CG9927	11.193674	0.060403667	185.3144787
14	O02	27198	CG5870	12.92289333	0.062509333	206.7354208
14	O03	23746	CG9817	8.948972	0.057078	156.7849609
14	O04	27188	CG1467	8.489075	0.055004667	154.3337232
14	O05	23756	CG9726	11.89896467	0.061240667	194.2984183
14	O06	27202	CG4376	12.76497333	0.048895333	261.0673139
14	O07	23749	CG32833,CG32834	13.32114	0.052528	253.6007463
14	O08	27208	CG2977,CG3035	11.24762333	0.062907	178.7976431
14	O09	23755	CG9692	12.37991333	0.058627667	211.1616245
14	O10	22948	CG10089	8.614190333	0.051723	166.5446771
14	O11	23757	CG9769	3.383517	0.049538	68.30144536
14	O12	22989	CG8805	9.643902	0.057056333	169.0242158
14	O13	23759	CG30410	11.05214333	0.054993	200.9736391
14	O14	22987	CG8500	11.844206	0.052802333	224.3121705
14	O15	27143	CG7121	12.97587333	0.059224667	219.0957596
14	O16	22990	CG8967	10.88827733	0.054242667	200.7327073
14	O17	27155	CG7152	10.904837	0.051401333	212.1508586

14	O18	22949	CG8114	7.446919	0.049261	151.1727127
14	O19	27167	CG7293	13.43842333	0.056048	239.7663312
14	O20	22988	CG8657	11.03345	0.044894	245.7666949
14	O21		wts	57.57080667	0.036116333	1594.03797
14	O22		HFA17794	1.368534	0.010732	127.5190086
14	O23		hpo	37.17961333	0.037729667	985.4211982
14	O24		Luc	1.922235333	0.03817	50.3598463
14	P01	20503	CG7048	15.11683	0.072480333	208.5645761
14	P02	20362	CG17765	12.78255667	0.092505667	138.1813366
14	P03	20499	CG32772	12.05992	0.060637333	198.8860548
14	P04	20386	CG32684	11.738717	0.075495667	155.4886197
14	P05	20414	CG7052	11.80519733	0.060449	195.2918548
14	P06	20399	CG17976	12.53093333	0.057631667	217.431389
14	P07	20450	CG18642	12.59063	0.054598333	230.6046583
14	P08	20405	CG17294	9.986961	0.056029	178.2462832
14	P09	20456	CG18250	10.79399667	0.065616	164.5025096
14	P10	20400	CG18067	11.40125333	0.049503	230.3143917
14	P11	20497	CG18578	11.31529867	0.049510667	228.542644
14	P12	20301	CG7188	10.219442	0.066476	153.7313015
14	P13	20494	CG7149	11.65422	0.049258	236.5954769
14	P14	20310	CG8295	8.126501667	0.036138667	224.8699915
14	P15	20502	CG7010	13.38305667	0.043377333	308.5264962
14	P16	20293	CG7254	9.125686667	0.050101333	182.144587
14	P17	20389	CG15261	11.95741333	0.046991333	254.4599713
14	P18	20309	CG8230	11.69709333	0.049324	237.1481091
14	P19	20403	CG17064	9.331572667	0.050334333	185.3918002
14	P20	20257	CG7212	8.062826333	0.038714667	208.2628375
14	P21		wts	57.08418	0.033366	1710.848768
14	P22		HFA17794	1.165354333	0.010265333	113.5232822
14	P23		hpo	35.96456	0.031354	1147.048542
14	P24		Luc	1.700324	0.048522333	35.04209058
15	A01		DIAP1	0.362660333	0.009046667	40.08773029
15	A02		ex/ft	35.69796667	0.040489	881.6707418
15	A03		Luc	1.653003333	0.059809	27.63803664
15	A04		hpo	26.40701667	0.043551667	606.3376832
15	A05	20218	CG8484	10.36152967	0.045147	229.5064936
15	A06	16261	CG10185	11.817098	0.063575	185.8764923
15	A07	20220	CG14938	8.505604333	0.054418667	156.2993887
15	A08	16252	CG10253	11.85716	0.047518667	249.5263616
15	A09	20299	CG8398	9.668333	0.079243333	122.0081563
15	A10	16258	CG10062	10.59249833	0.057482333	184.2739798
15	A11	17500	CG14168	9.831794	0.050067	196.3727405
15	A12	16259	CG10101	8.500566333	0.040390667	210.4586786
15	A13	17503	CG7425	2.231717	0.080976	27.56022772
15	A14	16322	CG10248	10.490711	0.04261	246.2030275
15	A15	17502	CG17041	10.342575	0.035669667	289.9543496
15	A16	17745	CG4004	8.413244	0.039335667	213.8833459
15	A17	17504	CG1044	12.39487	0.039523	313.6115679
15	A18	17749	CG5108	11.79215	0.052851333	223.1192527
15	A19	16255	CG9262	9.611335667	0.046498333	206.7027994
15	A20	17751	CG7544	10.87949	0.043480333	250.216343
15	A21	16257	CG10016	10.50061833	0.043946667	238.940041
15	A22	17753	CG9540	10.069138	0.047135667	213.6203583
15	A23	16256	CG9296	15.13580667	0.041591667	363.9144059

15	A24	17754	CG10579	9.630070333	0.054125667	177.920586
15	B01		DIAP1	0.375811	0.011415	32.92255804
15	B02		ex/ft	34.42867333	0.05419	635.3325952
15	B03		Luc	1.409685333	0.059158667	23.82888954
15	B04		hpo	36.74493667	0.056304667	652.6090792
15	B05	17746	CG1386	10.83013733	0.058215667	186.0347558
15	B06	27792	CG8869	9.022044667	0.055449333	162.7079015
15	B07	17747	CG5012	8.224792	0.055806333	147.3809783
15	B08	27793	CG11440	10.53973033	0.056971667	184.9995085
15	B09	17756	CG17060	11.88729333	0.050758	234.1954634
15	B10	27794	CG12523	10.42327333	0.055882333	186.5217988
15	B11	28175	CG10396	10.009336	0.058996	169.6612652
15	B12	27790	CG3240	9.874935667	0.049326667	200.1946682
15	B13	28170	CG10109	12.20936	0.047963	254.5578884
15	B14	27795	CG13029	9.238544667	0.043502	212.370573
15	B15	28168	CG10652	0.942893333	0.027525667	34.25505891
15	B16	27786	CG13613	9.659303	0.043618333	221.4505292
15	B17	28165	CG10005	11.93663533	0.049676667	240.2865598
15	B18	27787	CG31917	12.05951333	0.042535	283.519768
15	B19	28174	CG10332	11.18243333	0.049584	225.525035
15	B20	27789	CG17721	10.58403633	0.041532667	254.8364259
15	B21	28176	CG10436	9.367765333	0.039034667	239.9857904
15	B22	22614	CG3303	10.15940933	0.040166667	252.9313527
15	B23	28167	CG10573	11.15438333	0.041466333	268.998545
15	B24	22621	CG3244	9.217246	0.039615667	232.6666891
15	C01	20240	CG8431	9.422106	0.067050667	140.5221822
15	C02	16265	CG10297	10.24728333	0.047148	217.342906
15	C03	20219	CG8578	9.744709	0.056662333	171.9786042
15	C04	16266	CG30170	9.874454333	0.054739333	180.3904749
15	C05	20230	CG8494	9.742617667	0.052456	185.7293287
15	C06	16273	CG10189	12.67056333	0.054331333	233.2091365
15	C07	20232	CG14967	11.70642867	0.047633667	245.7595538
15	C08	16264	CG10262	10.61790233	0.054609667	194.4326523
15	C09	20311	CG8399	12.80084767	0.048583333	263.4822847
15	C10	16270	CG10078	9.124161	0.041269667	221.086375
15	C11	17507	CG14366	10.62833867	0.051123	207.8973978
15	C12	16271	CG10104	9.595926	0.042656667	224.95724
15	C13	17510	CG16837	11.985197	0.046615667	257.1066308
15	C14	16334	CG10250	10.27216567	0.046203667	222.3236035
15	C15	17509	CG7276	11.27368	0.053361333	211.2705829
15	C16	17757	CG4035	6.696405667	0.037543333	178.3647074
15	C17	17532	CG8936	9.560225333	0.038426333	248.7935877
15	C18	17761	CG5359	9.641786667	0.038294	251.783221
15	C19	16267	CG9272	9.532989667	0.049055	194.332681
15	C20	17763	CG7891	8.932458	0.040528667	220.3985163
15	C21	16335	CG9259	12.35345667	0.043182	286.0788446
15	C22	17810	CG32920	12.98483	0.048346333	268.5794166
15	C23	16268	CG9298	10.393257	0.043034333	241.5108169
15	C24	17766	CG10580	10.337578	0.047440333	217.9069428
15	D01	17767	CG11419	10.78846333	0.064602667	166.9971828
15	D02	28216	CG10675	9.531961333	0.048969667	194.6503209
15	D03	17760	CG6426	8.322203	0.049162333	169.2800654
15	D04	27808	CG13194	9.387510667	0.048094	195.1908901
15	D05	17758	CG1738	7.514811333	0.056543333	132.9035784

15	D06	27804	CG9129	8.890216333	0.057796667	153.8188419
15	D07	17759	CG5024	10.264723	0.059630667	172.1383237
15	D08	27805	CG11582	10.45394967	0.048215	216.8194476
15	D09	17768	CG17320	11.094421	0.047915333	231.5421855
15	D10	27806	CG31530	5.193723333	0.039003333	133.1610119
15	D11	28187	CG10399	12.12177333	0.052364667	231.4876443
15	D12	27802	CG3367	7.738018	0.041311667	187.3082987
15	D13	28226	CG10563	12.68077667	0.043714667	290.0805984
15	D14	27807	CG13031,CG9695	9.269355	0.046529667	199.2138707
15	D15	28180	CG10654	11.23108	0.039960333	281.0557136
15	D16	27798	CG13658	10.03442633	0.043074	232.9578477
15	D17	28244	CG1028	11.254156	0.043123	260.9780396
15	D18	27833	CG16986	9.490551	0.043388667	218.7334096
15	D19	28186	CG10339	8.829429333	0.043466	203.1341585
15	D20	27860	CG14375	8.764579	0.040281667	217.5823327
15	D21	28256	CG10298	9.385765	0.045022667	208.4675497
15	D22	22626	CG3304	11.71164333	0.033420333	350.4346655
15	D23	28169	CG10059	15.68424333	0.043119667	363.737583
15	D24	22633	CG3249	6.908717	0.034132	202.4117251
15	E01	20252	CG8439	7.663545333	0.055478667	138.1349948
15	E02	16277	CG10301	16.56596667	0.050079667	330.792271
15	E03	20231	CG8583	17.31418667	0.039763333	435.4309666
15	E04	16278	CG10334	16.00219667	0.052965	302.1277573
15	E05	20242	CG8507	13.51105	0.051955667	260.0495936
15	E06	16285	CG10191	12.24720333	0.042313667	289.4384793
15	E07	20244	CG14993	16.03419	0.046577333	344.2487762
15	E08	16308	CG10173	16.17684	0.046972667	344.3883677
15	E09	17508	CG3029	16.80355667	0.041748333	402.4964669
15	E10	16272	CG10148	16.00197667	0.045006333	355.5494412
15	E11	17514	CG6416	16.68308667	0.045666667	365.3230657
15	E12	16283	CG10105	15.56775333	0.048795	319.0440277
15	E13	17517	CG17248	14.72878	0.05057	291.2552897
15	E14	17764	CG8663	12.68092333	0.035761667	354.5954234
15	E15	17516	CG12192	13.02604667	0.042361	307.5009246
15	E16	17769	CG4140	10.98423633	0.03959	277.4497685
15	E17	17539	CG8953	14.71825333	0.041222667	357.0427273
15	E18	17773	CG5327,CG5493	13.82898	0.040461333	341.7826073
15	E19	16279	CG9283	12.35572667	0.049502667	249.5971934
15	E20	17775	CG7929	13.14438667	0.036804333	357.1423655
15	E21	16281	CG10021	12.69492	0.045233333	280.6540899
15	E22	17822	CG33088	16.24528667	0.036955667	439.588516
15	E23	16340	CG10006	15.49509	0.038407	403.4444242
15	E24	17750	CG6457	16.59053667	0.039694	417.9608169
15	F01	17779	CG12190	13.90591333	0.056537333	245.9598377
15	F02	28228	CG10683	12.13981333	0.054773333	221.6372931
15	F03	17772	CG6534	10.21406133	0.053755667	190.0090161
15	F04	27820	CG13201	9.900939667	0.045526	217.478796
15	F05	17770	CG1946	13.78879333	0.045010333	306.3472832
15	F06	27816	CG9183	13.54246667	0.048626333	278.5006752
15	F07	17771	CG31302	5.006961	0.034782333	143.9512684
15	F08	27817	CG31976	12.17902667	0.047313667	257.4103325
15	F09	17780	CG17331	0.910784333	0.020074667	45.36983595
15	F10	27818	CG12645	12.98664333	0.047318333	274.4526787
15	F11	28199	CG10406	10.97869	0.042867667	256.1065449

15	F12	27814	CG30161	13.19582667	0.046611333	283.103394
15	F13	28220	CG10263	10.33743	0.040927667	252.5780442
15	F14	27819	CG13042,CG32160	14.21029667	0.044242333	321.192297
15	F15	28192	CG10670	14.64658333	0.043014333	340.5047155
15	F16	27810	CG32176	16.79694333	0.051384667	326.8862955
15	F17	28178	CG10513	13.89078333	0.049159333	282.5665523
15	F18	27845	CG17262	14.80166	0.036772333	402.5216422
15	F19	28255	CG10228	15.41649333	0.035257	437.2604967
15	F20	27813	CG18193	12.55674333	0.033994	369.3811653
15	F21	28200	CG10460	14.34746667	0.042239333	339.670765
15	F22	22638	CG3313	13.68267	0.032999333	414.6347401
15	F23	28191	CG10584	13.45967667	0.041390333	325.1888927
15	F24	22645	CG3252	15.07505	0.035467333	425.0404128
15	G01	20264	CG8443	11.08820233	0.060047667	184.6566728
15	G02	16289	CG10305	1.877592333	0.037022333	50.71512691
15	G03	20243	CG8603	11.85075333	0.050556	234.4084448
15	G04	16290	CG10335	12.51925667	0.061838667	202.4503008
15	G05	20254	CG8525	14.50664667	0.058602	247.5452487
15	G06	16297	CG10195	13.01687	0.047546333	273.7723203
15	G07	20256	CG14997	12.77821	0.040494	315.5581074
15	G08	16288	CG10269	5.475408333	0.044275	123.6681724
15	G09	17515	CG5269	12.90728	0.046254667	279.0481681
15	G10	16284	CG10168	12.99337667	0.046553333	279.1073321
15	G11	17521	CG9765	10.97148833	0.046264333	237.1478749
15	G12	16262	CG10231	11.99575	0.038324333	313.0060971
15	G13	17524	CG1014	11.59669667	0.038734667	299.3880589
15	G14	17776	CG8765	9.889692333	0.049466333	199.9277421
15	G15	17499	CG31772	14.0639	0.043473333	323.5063641
15	G16	17781	CG4247	12.92635667	0.045064333	286.8422921
15	G17	17533	CG13930	16.14872667	0.045127	357.8506585
15	G18	17785	CG5497	15.46224667	0.043466	355.7319898
15	G19	16291	CG9287	11.86366667	0.044314333	267.7162393
15	G20	17787	CG8208	12.51213667	0.038557333	324.5073138
15	G21	16293	CG10029	12.48511333	0.035809	348.6585309
15	G22	17834	CG7375	12.33837667	0.031746667	388.651092
15	G23	16292	CG9304	19.87745333	0.039279667	506.0494403
15	G24	17762	CG7011	14.29832333	0.038287333	373.4478766
15	H01	17791	CG12265	9.569017333	0.052158	183.4621215
15	H02	28252	CG10697	11.63220333	0.049563	234.6953036
15	H03	17784	CG6653	10.74945633	0.041670333	257.9642511
15	H04	27832	CG13217	10.23483	0.055543333	184.2674788
15	H05	17782	CG2065	12.29365333	0.045953333	267.5247352
15	H06	27828	CG32466	10.646127	0.044174667	241.0007319
15	H07	17783	CG5161	11.57370667	0.046667	248.0062285
15	H08	27829	CG11776	10.76008933	0.044775333	240.3128806
15	H09	17792	CG31447,CG3678,CG17556	9.782106667	0.054963333	177.9751349
15	H10	27830	CG12678	11.95897667	0.041184667	290.3744921
15	H11	28211	CG10417	12.47362333	0.042982667	290.2012439
15	H12	27826	CG5164	10.35949333	0.040211333	257.6262082
15	H13	28206	CG10119	13.94916667	0.042483667	328.3418726
15	H14	27831	CG13058	11.94929333	0.039363667	303.5614907
15	H15	28183	CG10205	6.486095	0.048147333	134.7134836
15	H16	27822	CG11099,CG13869	13.13276	0.046297333	283.661262
15	H17	28201	CG10017	13.49274333	0.038175333	353.441402

15	H18	27823	CG14119	12.018588	0.040853	294.1910753
15	H19	28173	CG1030	11.27242333	0.038355	293.8971016
15	H20	27825	CG18599	13.38479667	0.036157667	370.178662
15	H21	28212	CG10462	9.289295667	0.042786333	217.1089444
15	H22	22625	CG3279	13.13041333	0.037612	349.1017051
15	H23	28203	CG10587	12.28368333	0.038115667	322.2738681
15	H24	22657	CG3253	15.44605667	0.037359333	413.4457253
15	I01	20276	CG8453	11.83757333	0.057638	205.3779335
15	I02	16301	CG10309	12.27937667	0.052963667	231.8452902
15	I03	20255	CG8605	10.412335	0.05829	178.6298679
15	I04	16302	CG10336	12.5369	0.05185	241.7917068
15	I05	20266	CG8531	10.38536833	0.045578667	227.8559048
15	I06	16309	CG10197	9.051299	0.058372667	155.0605706
15	I07	20268	CG14999	14.00732667	0.059483	235.4845362
15	I08	16300	CG10270	10.58530333	0.055202	191.7557939
15	I09	17522	CG5864	9.061884667	0.046924333	193.1169613
15	I10	16332	CG10181	13.67557667	0.055593333	245.9931047
15	I11	17527	CG2013	9.130581333	0.060928667	149.8569037
15	I12	16307	CG10132	11.26192333	0.045675667	246.5628672
15	I13	17530	CG5110	11.48916467	0.043659667	263.152826
15	I14	17788	CG8816	9.852601333	0.038417	256.4646207
15	I15	17529	CG17347	10.47989633	0.045447333	230.594307
15	I16	17793	CG4609	7.022837333	0.044373	158.2682562
15	I17	16263	CG9235	14.13649333	0.040704667	347.2941677
15	I18	17797	CG5807	12.35980333	0.043403333	284.7662238
15	I19	16303	CG9288	12.03656333	0.03754	320.6330137
15	I20	17799	CG8287	13.65367333	0.035231	387.5471412
15	I21	16305	CG10032	12.34877	0.042853333	288.1635812
15	I22	17801	CG10215	6.739462667	0.039116	172.29427
15	I23	16304	CG9308	13.54644	0.048931	276.8478061
15	I24	17774	CG7077	11.28085833	0.036918	305.5652618
15	J01	17803	CG13389	1.199784	0.044139667	27.18153739
15	J02	27785	CG15535	12.34161933	0.066654	185.1594703
15	J03	17796	CG7056	11.27644	0.051727	217.9991107
15	J04	27844	CG13228	13.35826	0.061969	215.5635882
15	J05	17794	CG2811	11.27361433	0.052194	215.9944502
15	J06	27840	CG10581	12.22610333	0.055422667	220.5975293
15	J07	17795	CG5292	9.199261667	0.054040667	170.2285008
15	J08	27841	CG11878	9.470946667	0.052843667	179.2257666
15	J09	17804	CG17642	9.708456	0.051269333	189.3618537
15	J10	27842	CG12825	12.29878333	0.042812	287.2742066
15	J11	28223	CG10421	13.73522	0.048794	281.4940362
15	J12	27838	CG5347	11.21476667	0.048705667	230.2558908
15	J13	28218	CG10133	11.67815667	0.048799333	239.3097583
15	J14	27843	CG13068	9.314764333	0.043468667	214.2868656
15	J15	28195	CG10206	8.243473	0.045846667	179.8052857
15	J16	27834	CG13919	10.08638967	0.044598	226.1623765
15	J17	28202	CG10560	11.02561333	0.034040333	323.8985125
15	J18	27835	CG14145	12.60546333	0.040368	312.2637568
15	J19	28222	CG10360	11.22684333	0.038783333	289.4759777
15	J20	27837	CG1279	10.71859967	0.03568	300.4091835
15	J21	28257	CG10328	11.35652233	0.052855333	214.8604808
15	J22	22637	CG3281	13.83250333	0.040123	344.7524695
15	J23	28205	CG1007	12.45661333	0.039450333	315.754324

15	J24	22669	CG3254	12.69968433	0.039613333	320.5911562
15	K02	16313	CG31556	11.32239067	0.059126	191.4959691
15	K03	20267	CG8611	10.174468	0.057199667	177.8763513
15	K04	16314	CG10340	8.666386	0.048324667	179.3366949
15	K05	20278	CG8548	10.669951	0.053764667	198.4565638
15	K06	16321	CG10202	10.98821433	0.050722	216.6360619
15	K07	20280	CG15002	8.585666333	0.054200667	158.4051795
15	K08	16312	CG10274	6.774812667	0.056393	120.1357024
15	K09	17528	CG9893	8.290089	0.059018333	140.4663353
15	K1	20288	CG8460	9.869242667	0.049369	199.9076884
15	K10	16318	CG10092	10.494919	0.046389667	226.2339817
15	K11	17534	CG3201	8.258817667	0.04895	168.719462
15	K12	16286	CG10238	10.88698733	0.049586667	219.5547325
15	K13	17537	CG6056	21.00683333	0.039211667	535.7291622
15	K14	17800	CG8971	7.533663667	0.043707667	172.3648101
15	K15	17536	CG9699	9.850436	0.048126333	204.6787137
15	K16	17805	CG4612	9.265520333	0.042442667	218.3067432
15	K17	16275	CG9241	10.85102	0.046367	234.0246296
15	K18	17809	CG5869	11.64750333	0.038765333	300.4618388
15	K19	16315	CG9289	12.43842667	0.044828667	277.4659072
15	K20	17811	CG8386	11.69373	0.053519333	218.4954347
15	K21	16317	CG10034	12.27403133	0.046202667	265.6563402
15	K22	17813	CG10241	10.93802667	0.040036667	273.2002331
15	K23	16316	CG12437	5.273142667	0.047161333	111.8107206
15	K24	17836	CG9396	11.54435333	0.041667667	277.0578306
15	L01	17815	CG32810	13.20949333	0.066245667	199.4016212
15	L02	27797	CG15881	11.36598	0.064005333	177.5786393
15	L03	17808	CG7535	12.13361	0.050379	240.8465829
15	L04	27856	CG32406	10.687476	0.052687667	202.8458779
15	L05	17806	CG3365	13.30210333	0.053351667	249.3287307
15	L06	27852	CG10747	11.30337333	0.049895333	226.5416939
15	L07	17807	CG5369	11.34876	0.052906333	214.5066438
15	L08	27853	CG11885	11.703309	0.058580667	199.7810825
15	L09	17778	CG10640	14.43596667	0.054805333	263.4044132
15	L10	27854	CG12849	10.21333867	0.059563	171.471193
15	L11	28235	CG10422	11.27888267	0.057292	196.8666248
15	L12	27812	CG14312	9.337925333	0.048586333	192.1924272
15	L13	28230	CG10134	12.13089	0.05583	217.2826437
15	L14	27875	CG32742	9.84304	0.049809667	197.613047
15	L15	28207	CG10214	12.59732667	0.046104333	273.2351984
15	L16	27803	CG32029	10.264339	0.046590333	220.3104864
15	L17	28225	CG10031	11.26873067	0.052739	213.6697826
15	L18	27847	CG14167	9.882977667	0.045426667	217.5589448
15	L19	28197	CG10303	10.65148467	0.045916333	231.9759417
15	L20	22673	CG3294	11.34762	0.043527333	260.7010155
15	L21	28236	CG10472	10.30578867	0.037316667	276.1712014
15	L22	22649	CG3285	12.04189333	0.040992333	293.7596461
15	L23	28227	CG10627	10.62664467	0.033771667	314.6615407
15	L24	22681	CG3260	12.42659	0.044436333	279.649311
15	M01	20300	CG8465	8.152349667	0.046661	174.7144225
15	M02	16325	CG10318	17.17365667	0.060213667	285.2119397
15	M03	20279	CG32387	12.85082433	0.052700667	243.8455744
15	M04	16326	CG10341	11.15409333	0.050392333	221.3450459
15	M05	20290	CG8552	11.2592	0.057821	194.7250999

15	M06	16333	CG10222	11.437231	0.055763333	205.1030725
15	M07	20292	CG15011	10.95781333	0.041864333	261.7457979
15	M08	16324	CG10278	13.61091333	0.050939667	267.1967491
15	M09	17535	CG13956	13.75761333	0.0627	219.4196704
15	M10	16330	CG10094	13.31343333	0.048082	276.8901737
15	M11	17541	CG4254	64.78989333	0.061293333	1057.046335
15	M12	16298	CG10242	12.74251333	0.047744667	266.8887275
15	M13	17544	CG12799	11.54261667	0.043294667	266.6059715
15	M14	17812	CG9218	13.69769667	0.045912667	298.3424327
15	M15	17543	CG1873	11.71984	0.039117	299.6098883
15	M16	17817	CG4904	0.870197667	0.019308667	45.06772434
15	M17	16287	CG9243	12.40307	0.040921333	303.0954514
15	M18	17821	CG6141	1.337001667	0.032525333	41.10647085
15	M19	16327	CG9294	10.89072333	0.042253333	257.7482644
15	M20	17823	CG8415	1.924622667	0.041484333	46.39396399
15	M21	16329	CG10041	11.91433667	0.038256333	311.4343595
15	M22	17825	CG10268	11.57976333	0.036847	314.2661094
15	M23	16328	CG9333	12.14924	0.0396	306.7989899
15	M24	17798	CG7206	12.30126	0.040030333	307.2984653
15	N01	17827	CG16916	0.896956667	0.021052667	42.60537066
15	N02	27809	CG16765	11.65396633	0.053569333	217.5492135
15	N03	17820	CG32089	11.148133	0.059965667	185.9085977
15	N04	27788	CG14285	14.19742333	0.053794	263.9220607
15	N05	17818	CG3977	8.1724	0.047883667	170.6719758
15	N06	27864	CG10918	10.88576667	0.049761	218.761011
15	N07	17819	CG32856,CG5516	11.0786	0.049839333	222.2862799
15	N08	27865	CG12299	11.09699967	0.046581	238.2301725
15	N09	17790	CG10641	13.92757667	0.046648667	298.5632315
15	N10	27866	CG12897	9.774511667	0.045578	214.456792
15	N11	28247	CG10425	13.49871667	0.044928	300.452205
15	N12	27862	CG5697	13.00377667	0.048995	265.41028
15	N13	28196	CG10247	11.94838333	0.047811667	249.9051835
15	N14	27867	CG13073	12.73564667	0.047086667	270.4724621
15	N15	28219	CG10217	11.7488	0.041117	285.7406912
15	N16	27815	CG6545	12.13035	0.04322	280.6652013
15	N17	28237	CG10033	11.15047	0.044093667	252.8814418
15	N18	27859	CG14254	11.431063	0.039322	290.7040079
15	N19	28246	CG10392	8.990714	0.034361667	261.6495319
15	N20	22685	CG3297	9.143462667	0.040136667	227.8082219
15	N21	28248	CG10475	12.79739333	0.044455	287.8729802
15	N22	22661	CG3289	11.45172333	0.040000667	286.2883119
15	N23	28229	CG10086	10.29924767	0.035712	288.3973921
15	N24	22693	CG3262	11.62638433	0.037657333	308.7415731
15	O01	20312	CG8478	14.31737	0.062261	229.9572766
15	O02	16337	CG10321	10.35513767	0.067210333	154.0706191
15	O03	20291	CG30359	9.789887333	0.066206	147.8700923
15	O04	16338	CG10347	10.61184467	0.057647667	184.0810787
15	O05	20302	CG8571	11.00318	0.05271	208.7493834
15	O06	16345	CG10226	11.09526	0.059250667	187.2596652
15	O07	20304	CG15087	9.725821333	0.047814333	203.4080715
15	O08	16336	CG10286	11.934	0.058442667	204.2001278
15	O09	17542	CG1618	12.19800667	0.058660333	207.9430166
15	O10	16342	CG32919	10.189376	0.056255	181.1283619
15	O11	17548	CG4443	8.291336333	0.046993	176.4376893

15	O12	16344	CG10183	11.91254333	0.055501	214.6365531
15	O13	17549	CG5596	11.66099333	0.049252333	236.7602212
15	O14	17824	CG9282	1.028091667	0.037550667	27.378786
15	O15	17550	CG6359	10.025197	0.046274	216.6485932
15	O16	17829	CG5104	11.14598667	0.045725667	243.7577728
15	O17	16311	CG9254	12.2858	0.053485667	229.7026618
15	O18	17833	CG6153	11.01869667	0.043828333	251.4057877
15	O19	16323	CG9257	11.95465	0.059291	201.6267224
15	O20	17835	CG8560	9.572490333	0.053710667	178.2232642
15	O21		wts	47.92421667	0.041977333	1141.668917
15	O22		HFA17794	1.21593	0.012899667	94.26057521
15	O23		hpo	34.68409667	0.038111	910.0809915
15	O24		Luc	2.018763667	0.046331667	43.57200619
15	P01	17814	CG10863	13.39350333	0.056983667	235.0410936
15	P02	27836	CG4135	10.279673	0.066079333	155.5656282
15	P03	17826	CG10944	1.334757667	0.049705333	26.85340943
15	P04	27863	CG7428	10.48975633	0.060724333	172.7438698
15	P05	17830	CG10706	10.58553967	0.065553667	161.4789867
15	P06	27876	CG11112	9.632314667	0.058081667	165.8408792
15	P07	17831	CG33177	8.906271667	0.055089	161.6705997
15	P08	27848	CG14358	8.577775333	0.052081	164.700665
15	P09	17802	CG10682	6.492705333	0.059497667	109.1253775
15	P10	27869	CG17608	9.031409667	0.049707667	181.690477
15	P11	28243	CG10225	14.72945	0.065909667	223.4793581
15	P12	27874	CG6333	9.018133333	0.058978333	152.9058694
15	P13	28208	CG10252	12.27727667	0.052123	235.5443214
15	P14	27879	CG13170	10.37524733	0.053824	192.7624728
15	P15	28231	CG10221	9.721437	0.043240333	224.8233594
15	P16	27827	CG6888	10.61777867	0.045328667	234.2398188
15	P17	28253	CG10107	16.66660333	0.03087	539.8964475
15	P18	27871	CG14275	10.53293667	0.045707333	230.4430361
15	P19	28221	CG10320	8.280708667	0.055299333	149.7433724
15	P20	22697	CG3301	9.467985	0.042917667	220.6081023
15	P21		wts	48.96810667	0.035549	1377.481973
15	P22		HFA17794	1.063533333	0.011268333	94.3824878
15	P23		hpo	32.68399333	0.036736333	889.691223
15	P24		Luc	1.520187333	0.050065333	30.36407095
16	A01		DIAP1	0.408414333	0.010046	40.65442299
16	A02		ex/ft	34.92357	0.046558667	750.0981557
16	A03		Luc	1.579083	0.057254	27.5803088
16	A04		hpo	31.82093667	0.045646333	697.1192283
16	A05	22615	CG3332	10.28452367	0.056858	180.8808552
16	A06	22140	CG1244	4.085150667	0.064794333	63.04796201
16	A07	22618	CG3495	10.98481667	0.046723333	235.1034458
16	A08	22167	CG1578	11.16727	0.051036	218.8116232
16	A09	22619	CG3539	3.108985333	0.049544667	62.75116057
16	A10	22169	CG1764	9.390602	0.04336	216.5729244
16	A11	22610	CG3666	11.13268133	0.048091667	231.4887818
16	A12	20702	CG15062	7.258602667	0.043215	167.9648887
16	A13	22620	CG3634	10.40968633	0.053165	195.7996113
16	A14	20705	CG15254	10.00988933	0.041609333	240.5683661
16	A15	22611	CG4402	11.63606333	0.039854667	291.96238
16	A16	20706	CG32972	11.87755667	0.040886667	290.4995108
16	A17	22689	CG3466	8.564828667	0.040608667	210.911349

16	A18	20700	CG15000	9.802782333	0.041196333	237.9527871
16	A19	22136	CG8152	9.323552	0.040839667	228.2964765
16	A20	20704	CG15204	10.45157633	0.04581	228.1505421
16	A21	22139	CG1089	9.782352333	0.042286667	231.3342031
16	A22	20708	CG14955	11.1804	0.040987667	272.7747371
16	A23	22130	CG7065	10.95190267	0.055185333	198.4567639
16	A24	20719	CG15336	10.319351	0.036805333	280.3765125
16	B01		DIAP1	0.353967333	0.011679667	30.30628728
16	B02		ex/ft	32.28509667	0.042410667	761.2494498
16	B03		Luc	1.612109333	0.053053667	30.38638863
16	B04		hpo	33.90414333	0.045884333	738.9045644
16	B05	27410	CG13305	10.435427	0.047939	217.6813659
16	B06	25489	CG13432	9.914564667	0.05245	189.0288783
16	B07	27407	CG11444	9.621709667	0.048086667	200.0910093
16	B08	30172	CG4169	1.971695667	0.026764	73.66969312
16	B09	27408	CG12443	10.61989333	0.050648333	209.6790286
16	B10	30174	CG4302	5.912146	0.038232333	154.6373314
16	B11	27402	CG8329	11.40088667	0.040857667	279.0391032
16	B12	30171	CG4087	3.658151333	0.033158667	110.3226306
16	B13	27406	CG9811	9.656031333	0.046064	209.6220765
16	B14	30173	CG4264	1.621659333	0.029391	55.17537115
16	B15	27409	CG12883	9.377602667	0.050484667	185.7515021
16	B16	30168	CG4793	10.532663	0.042385333	248.4978216
16	B17	27411	CG13596	9.466024	0.041467333	228.2766515
16	B18	30205	CG3945	10.12843433	0.038789667	261.111662
16	B19	27404	CG14925	9.808181667	0.037695667	260.1938773
16	B20	30267	CG5027	11.55727667	0.043465667	265.8943841
16	B21	27405	CG15147	9.720834	0.039952	243.3128254
16	B22	30269	CG5178	8.948694333	0.035158	254.527969
16	B23	24050	CG32031	9.792689667	0.034084	287.3104585
16	B24	30266	CG4956	11.21021	0.035324667	317.3479344
16	C01	22624	CG4435	4.710148	0.052511	89.69831083
16	C02	22153	CG1433	7.824660667	0.038371667	203.9176649
16	C03	22628	CG3415	9.181771667	0.043579	210.6925736
16	C04	22144	CG1646	8.561136333	0.055425667	154.4615852
16	C05	22627	CG3335	4.144569	0.051880333	79.88709273
16	C06	22217	CG1812	9.049442333	0.048041667	188.366536
16	C07	22630	CG3496	10.25655933	0.042061333	243.8476986
16	C08	22179	CG1598	8.405159333	0.044948667	186.9946309
16	C09	22631	CG3564	9.415773333	0.036239	259.8243145
16	C10	22181	CG1795	8.807272667	0.038932333	226.2200057
16	C11	22622	CG3671	6.92505	0.033681333	205.604984
16	C12	20714	CG15064	9.120252667	0.033329667	273.6376801
16	C13	22632	CG3644	9.426942667	0.041978	224.5686471
16	C14	20717	CG15255	9.917126	0.04035	245.777596
16	C15	22623	CG4404	15.11107333	0.058384667	258.8192105
16	C16	20718	CG15296	10.34886667	0.038813667	266.6294518
16	C17	22150	CG8679	9.725013333	0.040612	239.4615713
16	C18	20712	CG15004	9.305183667	0.033463667	278.0682631
16	C19	22209	CG8489	9.061396	0.038536667	235.1369951
16	C20	20716	CG15208	10.965624	0.039902667	274.8093026
16	C21	22147	CG7366	10.789627	0.033572	321.3876743
16	C22	20720	CG14962	11.774944	0.040577333	290.1852594
16	C23	22137	CG8252	9.364366667	0.035989667	260.1959822

16	C24	20731	CG15337	11.19663533	0.036305	308.4047744
16	D01	20711	CG16870	13.88988	0.062568333	221.9953651
16	D02	25519	CG32474	8.760877667	0.048174	181.8590457
16	D03	20710	CG15450	9.297472667	0.057887333	160.6132487
16	D04	25512	CG14806,CG3848	8.957795	0.050824	176.2512789
16	D05	27422	CG13358	8.926526667	0.059679667	149.5740034
16	D06	30179	CG4716	8.771923	0.049401	177.5656971
16	D07	27419	CG11475	11.55704333	0.044241667	261.2253155
16	D08	30184	CG4178	8.739610667	0.047723	183.1320467
16	D09	27420	CG12672	9.047949	0.037956333	238.3778465
16	D10	30176	CG4510	5.355154667	0.043424	123.3224638
16	D11	27439	CG14755	10.479671	0.040069667	261.536266
16	D12	30183	CG4098	10.304626	0.046906333	219.685174
16	D13	27418	CG9985	21.00771	0.063247	332.1534618
16	D14	30213	CG3907	10.36644067	0.052222667	198.5046212
16	D15	27421	CG13011	10.005318	0.042914333	233.1462992
16	D16	30180	CG4795	11.05443	0.037087	298.0675169
16	D17	27423	CG13641	11.20287	0.042221667	265.3346228
16	D18	30217	CG3969	8.736713667	0.044801667	195.0086753
16	D19	27416	CG14932	12.26585667	0.032374333	378.8759614
16	D20	30279	CG5039	10.03257167	0.038332	261.7283645
16	D21	27417	CG15166	8.689449	0.040993333	211.9722475
16	D22	30285	CG4849	4.024936667	0.044836667	89.76886477
16	D23	24118	CG31478	8.879054	0.036091333	246.0162366
16	D24	30313	CG4910	10.00965433	0.038979333	256.7938822
16	E01	22636	CG4347,CG4437	14.47669333	0.055215	262.1876905
16	E02	22165	CG1441	17.89837333	0.052099	343.5454295
16	E03	22640	CG3416	0.806644	0.019656	41.03805454
16	E04	22156	CG1666	12.142	0.054913667	221.1107132
16	E05	22639	CG3342	15.63562333	0.043860333	356.4866508
16	E06	22164	CG1271	13.60512	0.045226333	300.8229719
16	E07	22642	CG3502	16.24097667	0.050500667	321.5992528
16	E08	22191	CG1603	13.21607333	0.044547333	296.6748477
16	E09	22643	CG3587	18.53987	0.04012	462.1104187
16	E10	22193	CG1803	13.18719333	0.046029333	286.4954232
16	E11	22634	CG3672	16.95738667	0.039684333	427.3068297
16	E12	20726	CG15073	16.12388667	0.038295667	421.0368449
16	E13	22644	CG3645	15.64064	0.036743667	425.6690042
16	E14	20773	CG15057	13.03910333	0.038673667	337.1571526
16	E15	22698	CG3331	24.09560667	0.038822333	620.6635356
16	E16	20721	CG15398	14.24168667	0.035463333	401.5890591
16	E17	22170	CG7313	16.38015667	0.032106333	510.1845949
16	E18	20724	CG15008	13.00774333	0.030249	430.0222597
16	E19	22160	CG8175	14.48474333	0.03145	460.5641759
16	E20	20728	CG15209	15.93567667	0.034842667	457.3609942
16	E21	22163	CG1105	14.33082667	0.040293	355.6654175
16	E22	20732	CG14964	17.13559333	0.030662667	558.8422403
16	E23	22221	CG8501	7.131676333	0.024423667	291.9985943
16	E24	20743	CG15343	12.88902	0.03641	353.9967042
16	F01	20723	CG16876	15.22099	0.065071667	233.9111749
16	F02	25531	CG14562	12.97329333	0.043617667	297.4320803
16	F03	20781	CG15446	13.37278333	0.050762	263.4408284
16	F04	25524	CG14812,CG14813	12.30469333	0.037768	325.7967945
16	F05	27434	CG13392	15.88516333	0.043434667	365.7254574

16	F06	30191	CG4723	12.64606333	0.04467	283.0996941
16	F07	27431	CG11539,CG1775	12.66957667	0.043832	289.0485642
16	F08	30196	CG4186	11.69052	0.039336	297.1964613
16	F09	27432	CG30222	12.01087	0.050554	237.5849587
16	F10	30198	CG4328	13.02329	0.047164667	276.1238639
16	F11	27451	CG14842	7.647068	0.034806333	219.703349
16	F12	30195	CG4101	13.92383333	0.038273333	363.7998607
16	F13	27430	CG10052	14.98732	0.037711	397.4256848
16	F14	30225	CG3919	8.513788667	0.045093667	188.8023152
16	F15	27460	CG14112	11.07012967	0.038186	289.9002165
16	F16	30178	CG4655	13.81253333	0.030869	447.4564558
16	F17	27435	CG13731	12.76257333	0.034163667	373.5715331
16	F18	30229	CG3978	14.16112333	0.030608667	462.6507743
16	F19	27496	CG14286	12.96751667	0.035457667	365.7182744
16	F20	30291	CG5057	4.711665	0.026622333	176.9816695
16	F21	27473	CG14423	12.06050667	0.036736333	328.2991407
16	F22	30293	CG5213	8.345873667	0.032201	259.1805741
16	F23	24074	CG4946	11.56276	0.037679	306.8754479
16	F24	30290	CG4976	14.37524333	0.031771667	452.4548077
16	G01	22648	CG4439	12.42129333	0.050223333	247.3211655
16	G02	22177	CG1462	12.16927867	0.051028	238.4823757
16	G03	22674	CG3328	13.45338	0.042291667	318.1094778
16	G04	22168	CG1685	11.91267633	0.044001667	270.7323889
16	G05	22651	CG3350	8.935225667	0.047486667	188.1628317
16	G06	22176	CG1309	12.41945	0.050639	245.2546456
16	G07	22654	CG3505	12.65109667	0.039717	318.5310237
16	G08	22203	CG1619	10.50237333	0.044759667	234.6392213
16	G09	22655	CG3597	12.57447667	0.052271	240.5631548
16	G10	22205	CG1809	13.94850333	0.042123	331.1374625
16	G11	22646	CG4367	12.16545	0.039317333	309.4169662
16	G12	20738	CG15077	10.93342067	0.038135	286.7030462
16	G13	22653	CG3455	0.693448	0.017254333	40.18978807
16	G14	20741	CG15262	10.93487333	0.034998667	312.4368547
16	G15	22647	CG4406	10.62294333	0.051478	206.3588977
16	G16	20742	CG15302	13.61342333	0.034326333	396.5883335
16	G17	22174	CG1009	14.69767	0.032646	450.2135024
16	G18	20736	CG15014	14.19432333	0.034352333	413.1982301
16	G19	22172	CG8181	11.87994	0.033410333	355.5768176
16	G20	20740	CG15210	11.99681667	0.034992667	342.8380232
16	G21	22175	CG1112	13.22459667	0.035775333	369.6568399
16	G22	20744	CG14965	13.10783667	0.03248	403.5663998
16	G23	22161	CG8281	12.39226333	0.029639333	418.1019591
16	G24	20755	CG15358	11.109168	0.030642	362.5470922
16	H01	20735	CG16879	12.11682333	0.05361	226.0179693
16	H02	25532	CG14613	9.991646667	0.047874667	208.7042556
16	H03	20734	CG15454	10.45370633	0.045659667	228.9483716
16	H04	25510	CG14650	11.61198867	0.039762667	292.0324425
16	H05	27446	CG13408	12.30368	0.044096667	279.016101
16	H06	30203	CG4733	11.90988333	0.041015667	290.3740034
16	H07	27443	CG11607	9.856417	0.040480667	243.4845523
16	H08	30208	CG4204	4.359440667	0.040153333	108.5698323
16	H09	27444	CG12769	10.66791633	0.050073667	213.0444412
16	H10	30210	CG4371	11.95338	0.041952667	284.9253921
16	H11	27438	CG9013	13.13952667	0.038012333	345.6648281

16	H12	30182	CG4021	11.76302	0.035985333	326.8837304
16	H13	27425	CG14352	14.84528667	0.034828	426.245741
16	H14	30209	CG4282	9.445748	0.033832333	279.192922
16	H15	27445	CG13098	9.828336333	0.036243333	271.1763911
16	H16	30190	CG4656	12.44103333	0.033865667	367.3641938
16	H17	27447	CG13749	12.16259	0.03572	340.4980403
16	H18	30241	CG3982	10.47703533	0.032786667	319.551708
16	H19	27440	CG14959	10.363279	0.03266	317.3079914
16	H20	30303	CG5071	12.6114	0.032967667	382.5384468
16	H21	27441	CG15225	9.195553667	0.035519667	258.8862602
16	H22	30305	CG5245	11.53210367	0.028629333	402.8072723
16	H23	24046	CG4887	11.50624633	0.030604333	375.9678804
16	H24	30302	CG4995	13.96521667	0.027807	502.2194651
16	I01	22660	CG4446	9.840638667	0.055157	178.4114195
16	I02	22189	CG1472	11.437702	0.046492667	246.0108834
16	I03	22664	CG3422	4.559691333	0.051014333	89.38059238
16	I04	22180	CG1693	10.22102533	0.045498333	224.6461482
16	I05	22663	CG3355	9.562615	0.046038667	207.7083394
16	I06	22188	CG1315,CG31286	10.46103633	0.048343333	216.390464
16	I07	22666	CG3511	12.64405667	0.061548333	205.432966
16	I08	22215	CG1637	11.52605333	0.048875667	235.8239615
16	I09	22667	CG3603	12.69807067	0.047757333	265.8873471
16	I10	20713	CG15035	12.77686333	0.041581667	307.271554
16	I11	22658	CG4370	12.151816	0.041748667	291.0707568
16	I12	20750	CG15088	11.85393933	0.038159	310.6459638
16	I13	22668	CG3655	13.67029	0.047150667	289.92782
16	I14	20753	CG15269	11.31752	0.038231	296.0299234
16	I15	22659	CG4407	13.75039667	0.043189	318.3772874
16	I16	20754	CG15304	9.690333333	0.038454333	251.9958739
16	I17	22186	CG1017	3.894577667	0.042589333	91.44490796
16	I18	20785	CG15059	11.43807933	0.028527667	400.9468937
16	I19	22184	CG8187	12.15317667	0.03396	357.867393
16	I20	20703	CG15119	14.14607667	0.036412	388.5004028
16	I21	22187	CG1120	16.02592	0.032398	494.6576949
16	I22	20756	CG14971	12.02605667	0.037666667	319.2758407
16	I23	22178	CG7191	13.19940333	0.036127	365.3611795
16	I24	20767	CG15373	11.55491	0.031403	367.9556093
16	J01	20747	CG16880	11.71674667	0.051251	228.6149864
16	J02	25540	CG13746,CG13751,CG8261	10.44219533	0.055550333	187.9771859
16	J03	20746	CG15456	12.0038	0.048200333	249.0397715
16	J04	25523	CG31361	12.46373667	0.062300667	200.0578378
16	J05	27458	CG13419	12.451067	0.049967333	249.1841403
16	J06	30215	CG4744	11.31058	0.052333667	216.1243559
16	J07	27455	CG11769	9.96099	0.044970333	221.5013602
16	J08	30220	CG4205	12.90834333	0.048470667	266.3124776
16	J09	27456	CG12802	11.83892767	0.050158667	236.0295529
16	J10	30222	CG4374	12.83949333	0.045169	284.2545404
16	J11	27450	CG9266	9.403316333	0.040232333	233.7253536
16	J12	30194	CG4029	12.90592667	0.042659333	302.5346544
16	J13	27454	CG10337	12.96836333	0.035961667	360.6163044
16	J14	30221	CG4286	11.30701667	0.041932333	269.6491172
16	J15	27457	CG13102	12.04240333	0.039254333	306.7789543
16	J16	30224	CG4608	11.327022	0.040047	282.8432092
16	J17	27472	CG14128	13.64318667	0.037202667	366.7260411

16	J18	30268	CG5097	12.25282333	0.039013	314.0702672
16	J19	27452	CG15018	9.798853333	0.039564	247.6709467
16	J20	30315	CG5075	7.154957667	0.024719333	289.4478411
16	J21	27497	CG14543	5.559912	0.036985	150.328836
16	J22	30316	CG5137	12.86785667	0.039243333	327.8991761
16	J23	24058	CG4893	10.80598333	0.030635	352.7332572
16	J24	30314	CG5006	11.84345	0.036709	322.63069
16	K02	22201	CG1512	10.77703667	0.063552	169.5782456
16	K03	22617	CG3436	8.072805	0.051568667	156.5447688
16	K04	22192	CG18345	10.060906	0.052094	193.1298422
16	K05	22675	CG3360	9.800414667	0.046561333	210.4839781
16	K06	22200	CG1322	7.744291	0.052884333	146.4382835
16	K07	22678	CG3515	1.997782	0.063876667	31.27561447
16	K08	22199	CG1140	11.56439333	0.053580333	215.8327993
16	K09	22679	CG3609	9.178099	0.049674333	184.7654188
16	K1	22672	CG4452	9.351771333	0.03816	245.0673829
16	K10	20725	CG15040	9.660679667	0.03786	255.1685068
16	K11	22686	CG3329	0.66942	0.019935667	33.57901249
16	K12	20762	CG15093	10.98154567	0.042537	258.1645548
16	K13	22680	CG3656	9.380610667	0.041841333	224.1948313
16	K14	20765	CG15270	9.328286333	0.0451	206.8356171
16	K15	22671	CG4409	11.22929667	0.036936	304.0203776
16	K16	20766	CG15309	10.5404	0.039398333	267.5341597
16	K17	22198	CG1021	12.06878333	0.041527333	290.6226421
16	K18	20760	CG15029	10.33411333	0.03812	271.0942637
16	K19	22196	CG8191	11.13961667	0.038012	293.0552633
16	K20	20715	CG15133	8.699879	0.030106667	288.968523
16	K21	22195	CG8119	10.933151	0.035920667	304.3693788
16	K22	20733	CG15400	12.00722	0.034372333	349.3280448
16	K23	22185	CG8354	12.94509667	0.042704667	303.1307273
16	K24	20751	CG15152	10.66952267	0.038441	277.5558041
16	L01	20769	CG15408	12.32999333	0.074599667	165.2821505
16	L02	25553	CG13819	10.634753	0.052291	203.3763554
16	L03	20745	CG15403	11.74617333	0.053612333	219.0946113
16	L04	25560	CG14823	9.596974	0.064529	148.7234267
16	L05	27470	CG13484	9.431942	0.050309	187.4802123
16	L06	30227	CG4750	11.26137633	0.050332667	223.7389171
16	L07	27403	CG14624	9.459517667	0.044147	214.2731707
16	L08	30232	CG4213	10.18305	0.047776333	213.1400484
16	L09	27475	CG14879	11.44466667	0.048859667	234.2354635
16	L10	30234	CG4383	10.04087733	0.043542667	230.5985853
16	L11	27462	CG9376	12.233	0.04452	274.7753819
16	L12	30231	CG31657,CG4124	8.933532	0.041256667	216.5354771
16	L13	27466	CG10349	11.58954667	0.038837667	298.4099628
16	L14	30233	CG4287	6.315026667	0.037107333	170.1827132
16	L15	27469	CG13141	11.040279	0.037095667	297.6164062
16	L16	30214	CG4681	10.58699	0.043313667	244.4260857
16	L17	27471	CG13802	11.45468	0.043911	260.8612876
16	L18	30280	CG5098	10.5603	0.035208667	299.9346752
16	L19	27464	CG15019	11.53315	0.039165	294.4759351
16	L20	30327	CG5077	9.397850333	0.030721	305.9096492
16	L21	24094	CG4910,CG6972	11.37273167	0.036883	308.3461667
16	L22	30277	CG4898	11.49819	0.041684667	275.8373982
16	L23	24070	CG4896	10.85467667	0.037455333	289.8032323

16	L24	30352	CG5156	11.75615	0.039364333	298.649793
16	M01	22662	CG3327	12.01417667	0.057216667	209.9768715
16	M02	22213	CG1516	9.816148	0.056323333	174.2820856
16	M03	22629	CG3446	10.12092	0.053207	190.2178285
16	M04	22204	CG1709	14.31404333	0.044642667	320.6359387
16	M05	22687	CG3373	9.825458	0.050471	194.6753185
16	M06	22212	CG1371	10.21819	0.054800333	186.462187
16	M07	22690	CG3529	11.26469	0.046645667	241.494887
16	M08	22211	CG1210	8.979667667	0.045612333	196.8692897
16	M09	22691	CG3616	9.751192	0.058767333	165.9287813
16	M10	20737	CG15050	11.001686	0.050427667	218.1676593
16	M11	22682	CG4398	10.63866633	0.043226333	246.1154003
16	M12	20774	CG15113	10.97819267	0.043912667	250.0005921
16	M13	22692	CG3663	12.21135	0.047950333	254.6666342
16	M14	20777	CG15274	10.29664	0.048454667	212.5004815
16	M15	22665	CG3456	11.38855733	0.038096333	298.9410354
16	M16	20778	CG15319	1.391046333	0.104688	13.2875433
16	M17	22210	CG1059	5.188862	0.043046333	120.5413237
16	M18	20787	CG15198	9.320096333	0.037441667	248.923116
16	M19	22194	CG7335	10.984201	0.043213667	254.183499
16	M20	20776	CG15227	10.6274	0.037073	286.6614517
16	M21	22218	CG7344	11.82736667	0.040727667	290.4012833
16	M22	20780	CG14990,CG14995	11.83509333	0.042773333	276.6932668
16	M23	22202	CG7201	11.09582667	0.038791333	286.0388059
16	M24	20763	CG15161	11.71433	0.039957667	293.16852
16	N01	20771	CG16890	7.633988	0.051002333	149.6791911
16	N02	25568	CG14630,CG33082	7.022188333	0.045786333	153.3686544
16	N03	20757	CG15406	8.440063	0.050110667	168.4284716
16	N04	25566	CG14480,CG6501	8.319488333	0.047445667	175.347696
16	N05	27482	CG13499	8.1815	0.040289333	203.0686369
16	N06	30242	CG4067	1.205522667	0.030070333	40.09009988
16	N07	27479	CG32317	6.492125667	0.047652	136.2403607
16	N08	30247	CG4486	5.143283667	0.053104	96.85303681
16	N09	27480	CG12817	6.963180667	0.03968	175.4833837
16	N10	30246	CG4421	7.319856667	0.045961	159.2623456
16	N11	27474	CG32725,CG9650	7.427244333	0.043603333	170.336618
16	N12	30218	CG4058	7.927143667	0.040293333	196.735862
16	N13	27478	CG11207	6.119215667	0.036518	167.5671085
16	N14	30200	CG4527	8.580433667	0.041964	204.4713008
16	N15	27481	CG13218	8.602817667	0.034837333	246.9424851
16	N16	30226	CG4691	9.394341667	0.034507333	272.2418906
16	N17	27483	CG13807	7.688682667	0.036175667	212.5374147
16	N18	30349	CG4952	10.37112767	0.034165333	303.5570461
16	N19	27449	CG14420	10.02223767	0.033474667	299.3976838
16	N20	30339	CG5079	9.435968333	0.034145333	276.3472314
16	N21	24106	CG4922	10.651007	0.04491	237.1633712
16	N22	30340	CG5155	12.22956333	0.041593	294.0293639
16	N23	24130	CG4925	11.366202	0.032498	349.7508154
16	N24	30338	CG5016	11.59545333	0.037518	309.0637383
16	O01	22696	CG4464	1.083491333	0.062796	17.2541457
16	O02	22225	CG1518	9.083083	0.059609667	152.3760072
16	O03	22700	CG3434	10.346514	0.060155	171.9975729
16	O04	22216	CG1716	7.792242	0.057486333	135.5494697
16	O05	22699	CG3380	9.538374333	0.053693	177.6465151

16	O06	22224	CG1387	7.650667	0.062094333	123.2103896
16	O07	22702	CG3534	9.242364333	0.052803	175.0348339
16	O08	22223	CG1234	3.755346667	0.047421667	79.19052472
16	O09	22703	CG3625	8.936072667	0.049573	180.2608813
16	O10	20761	CG15056	8.176849667	0.048829333	167.4577372
16	O11	22694	CG4400	3.773468667	0.038954	96.8698636
16	O12	20786	CG15116	10.98611333	0.049666333	221.1983973
16	O13	22704	CG3665	11.29123	0.051895333	217.5769819
16	O14	20789	CG15286	9.811615	0.053455333	183.5479154
16	O15	22695	CG4420	9.521814	0.055882333	170.3904156
16	O16	20790	CG15324	10.40974967	0.040471333	257.2129161
16	O17	22222	CG1088	3.539657333	0.025616	138.1815011
16	O18	20784	CG15031	8.427871667	0.048216667	174.7916695
16	O19	22206	CG7341	11.118513	0.051533333	215.7538098
16	O20	20788	CG15253	11.24880333	0.043236667	260.1681443
16	O21		wt	53.72390333	0.038104	1409.928179
16	O22		HFA17794	1.365235333	0.013093333	104.269501
16	O23		hpo	37.73954	0.040742667	926.2903754
16	O24		Luc	1.878796	0.048521	38.72129593
16	P01	20783	CG16894	10.281372	0.073834333	139.249202
16	P02	25577	CG13830	9.690171	0.064207	150.9207875
16	P03	20782	CG15461	10.052779	0.06065	165.7506843
16	P04	25558	CG14701,CG17184	11.89827867	0.058797667	202.3597082
16	P05	27494	CG13530	7.795570333	0.058066333	134.252843
16	P06	30249	CG3937	5.756561667	0.073085667	78.76457764
16	P07	27491	CG12343	10.97633	0.074719	146.9014575
16	P08	30256	CG4231	9.669243333	0.054263333	178.1911051
16	P09	27492	CG12868	9.534732333	0.051218	186.1597941
16	P10	30258	CG4423	9.801827	0.090227	108.6351868
16	P11	27448	CG14075	9.666786	0.047592333	203.1164543
16	P12	30230	CG4060	0.895795667	0.030939667	28.95298376
16	P13	27490	CG11300	10.834706	0.056951	190.2461063
16	P14	30257	CG4299	11.12331933	0.043604333	255.0966494
16	P15	27437	CG14419	10.80794867	0.055311333	195.4020635
16	P16	30252	CG4842	10.61610467	0.047962667	221.3410013
16	P17	27495	CG32477	10.06757567	0.040924333	246.0046346
16	P18	30350	CG5023	10.055721	0.040845333	246.1902053
16	P19	27488	CG15120	10.36063633	0.046300667	223.768621
16	P20	30351	CG5085	8.139792667	0.045552	178.6923223
16	P21		wt	49.22619667	0.032043667	1536.222342
16	P22		HFA17794	1.189842667	0.010907333	109.0864862
16	P23		hpo	37.36845	0.039773333	939.5352833
16	P24		Luc	1.488739333	0.043994667	33.83908656
17	A01		DIAP1	0.371771333	0.008387333	44.32533185
17	A02		ex/ft	35.94195667	0.035328	1017.378755
17	A03		Luc	1.890564	0.039222	48.20162154
17	A04		hpo	37.44575	0.036622333	1022.484003
17	A05	30270	CG5289	0.753618667	0.014949667	50.41039934
17	A06	29884	CG32095	10.10972133	0.041687333	242.5130255
17	A07	30069	CG32442	13.62345667	0.041500667	328.2707908
17	A08	29885	CG32109	11.22272333	0.040190333	279.2393693
17	A09	30073	CG32458	12.80508333	0.048746667	262.6863375
17	A10	29887	CG32141	10.219571	0.042670667	239.4987423
17	A11	30074	CG32487	11.38926533	0.043496	261.8462694

17	A12	29878	CG32181	10.59550433	0.049154667	215.5543929
17	A13	30075	CG3270	12.33070333	0.037995	324.5348949
17	A14	29879	CG32193	10.826577	0.038661333	280.0363067
17	A15	30089	CG3379	15.48218	0.036209333	427.5742902
17	A16	29886	CG32119	12.65091667	0.042433333	298.1362922
17	A17	30090	CG3423	14.98933667	0.036182333	414.2722507
17	A18	23760	CG9970	11.48301	0.035549667	323.0131553
17	A19	29881	CG32039	10.177903	0.035408667	287.4410126
17	A20	23764	CG10000	12.9548	0.037369	346.6723755
17	A21	29877	CG32013	12.35746	0.037476	329.7433024
17	A22	23769	CG1503	12.1774	0.033369	364.9315233
17	A23	29882	CG32060	11.39476	0.036820333	309.4692244
17	A24	23770	CG1647	11.00028667	0.032506333	338.4044135
17	B01		DIAP1	0.43295	0.010291667	42.06801619
17	B02		ex/ft	46.45918	0.050221667	925.0824014
17	B03		Luc	1.974914	0.053159667	37.15060917
17	B04		hpo	38.81650667	0.051886	748.1113724
17	B05	20611	CG8586	13.262058	0.056065	236.5478998
17	B06	18134	CG6611	12.81976667	0.047148667	271.9009375
17	B07	20600	CG8277	15.642209	0.052651	297.0923439
17	B08	18130	CG7906	11.95550667	0.044578333	268.1909747
17	B09	20604	CG8314	12.37335	0.049036	252.3319602
17	B10	18131	CG7987	12.13890767	0.048115333	252.2877184
17	B11	20605	CG18255,CG8366	11.022964	0.046761	235.7298604
17	B12	18135	CG6686	7.463140667	0.039822333	187.4109336
17	B13	20608	CG8470	12.69586667	0.046124333	275.2531202
17	B14	18138	CG7616	13.22120333	0.040730667	324.6007104
17	B15	20610	CG8564	13.55294667	0.036627667	370.0193843
17	B16	18139	CG7705	12.08445667	0.038308667	315.4496807
17	B17	20606	CG8411	11.22203667	0.040012333	280.4644401
17	B18	18140	CG7816	12.94006667	0.041286333	313.4225208
17	B19	20607	CG8440	13.78836	0.037172333	370.9307101
17	B20	18157	CG6542	9.746502667	0.035207	276.834228
17	B21	20627	CG14934	12.03946	0.037685333	319.4733583
17	B22	25298	CG15894	10.96837333	0.041576667	263.8107913
17	B23	18133	CG6476	1.404599	0.026158	53.69672758
17	B24	25297	CG15860	14.07560667	0.033193	424.0534651
17	C01	30275	CG5556	11.289686	0.036554	308.8495377
17	C02	29892	CG32204	10.770563	0.036769667	292.919789
17	C03	30283	CG5421	12.26076433	0.036319667	337.5792087
17	C04	29888	CG32163	16.15781333	0.052152667	309.8175868
17	C05	30282	CG5361	15.27618333	0.047144667	324.0278151
17	C06	29896	CG32098	11.78239467	0.034858	338.0112074
17	C07	30081	CG32445	13.65844	0.052829	258.5405743
17	C08	29897	CG32110	16.79880667	0.041202333	407.7149352
17	C09	30084	CG3818	15.88305333	0.046514	341.4682318
17	C10	29899	CG32143	12.06776667	0.037772333	319.4869261
17	C11	30120	CG3838	13.48664333	0.038028667	354.6441281
17	C12	29890	CG32182	13.27997333	0.034386	386.202912
17	C13	30087	CG3271	16.03604	0.041028667	390.8496498
17	C14	29891	CG32194	14.11151	0.034765667	405.9036214
17	C15	30101	CG3396	16.43281	0.038122	431.0584439
17	C16	29898	CG32120	13.91946	0.041377333	336.4030226
17	C17	30124	CG3348	14.02856333	0.038131667	367.8979851

17	C18	23772	CG9978	13.83777333	0.034567667	400.3097307
17	C19	29893	CG32040	15.57553	0.034436667	452.2949376
17	C20	23776	CG10001	15.00621667	0.038683333	387.9246015
17	C21	29889	CG32017	15.85831	0.030660333	517.2256227
17	C22	23777	CG1091	20.25127	0.036737	551.249966
17	C23	29894	CG32061	14.52187667	0.033643333	431.6420291
17	C24	23768	CG1374	15.67780667	0.027535333	569.3705058
17	D01	23774	CG3048	17.50217333	0.065605667	266.7783779
17	D02	18132	CG1847	14.61107333	0.050433333	289.7106411
17	D03	23775	CG3135	17.57942667	0.048727333	360.7713672
17	D04	18137	CG7470	13.67063667	0.051507667	265.4097448
17	D05	20623	CG8587	15.49702333	0.048274	321.0221513
17	D06	18146	CG6621	14.82866333	0.045447	326.2847566
17	D07	20612	CG8279	17.66690333	0.048510333	364.1884547
17	D08	18142	CG7920	10.042107	0.043036	233.342016
17	D09	20616	CG8316	16.07528333	0.04402	365.181357
17	D10	18143	CG8003	15.21865667	0.046510667	327.2078806
17	D11	20617	CG8367	4.198709333	0.040137667	104.6077085
17	D12	18147	CG6701	14.86752333	0.038917	382.0315886
17	D13	20602	CG8654	16.71853667	0.047276	353.63687
17	D14	18150	CG7623	14.67793333	0.032341667	453.839732
17	D15	20638	CG8678	15.29577	0.03952	387.0387146
17	D16	18151	CG7727	16.2472	0.031869	509.8120431
17	D17	20621	CG8520	17.5152	0.033651	520.4956762
17	D18	18152	CG7818	17.41394667	0.034285	507.9173594
17	D19	20619	CG8441	17.02922333	0.032254667	527.9615353
17	D20	18169	CG6549	12.59656333	0.039440333	319.3827807
17	D21	20639	CG14936	15.81906333	0.033854333	467.2684934
17	D22	25310	CG15896,CG32918	18.18446	0.032208667	564.5828245
17	D23	18145	CG6495	13.78661	0.039067	352.8965623
17	D24	25309	CG15861	14.67731333	0.037281333	393.6906763
17	E01	30287	CG5557	21.47300333	0.047319333	453.7892193
17	E02	29904	CG32207	20.92545333	0.040813333	512.7112055
17	E03	30295	CG33102	24.90425333	0.042852	581.1689847
17	E04	29900	CG32167	19.81582667	0.041417	478.4466926
17	E05	30294	CG5373	25.06218667	0.047091	532.2075697
17	E06	29908	CG32099	17.29550333	0.039110333	442.2233681
17	E07	30093	CG32446	21.89633667	0.035116333	623.5371005
17	E08	29909	CG32111	23.8594	0.045429667	525.1942563
17	E09	30097	CG32461	24.94228667	0.048719667	511.9551995
17	E10	29911	CG32147	23.38299	0.033279667	702.6209197
17	E11	30160	CG3361	16.14548333	0.042188667	382.6971699
17	E12	29902	CG32184	19.92185333	0.036238667	549.7402406
17	E13	30115	CG3501	15.56176333	0.038982667	399.1969935
17	E14	29903	CG32195	18.41760667	0.034491667	533.9726504
17	E15	30113	CG3397	23.32864667	0.029585	788.5295476
17	E16	29910	CG32121	19.46858333	0.033308333	584.4958719
17	E17	30114	CG3430	19.98284	0.036771	543.440211
17	E18	23784	CG9987	19.24515	0.033818	569.0800757
17	E19	29905	CG32044	18.47311	0.033682667	548.4455902
17	E20	23788	CG10002	15.41749333	0.035484667	434.483251
17	E21	29901	CG32022	17.63589333	0.03415	516.4244021
17	E22	23789	CG1092	18.87553667	0.027958333	675.1309687
17	E23	29906	CG32064	20.27777333	0.031113	651.7460011

17	E24	23794	CG1652	23.76617667	0.033593	707.4740769
17	F01	23786	CG3054	21.38914	0.048225333	443.52498
17	F02	18144	CG1869	16.91596	0.046889	360.7660645
17	F03	23845	CG2986,CG3104	2.93279	0.037144333	78.95659275
17	F04	18160	CG6766	16.23023333	0.048098	337.4409192
17	F05	20635	CG8593	17.30516333	0.045867667	377.2845796
17	F06	18158	CG6647	17.12049667	0.044815667	382.02035
17	F07	20624	CG8286	15.17829333	0.045206667	335.7534287
17	F08	18154	CG7927	15.10464667	0.048188667	313.4481137
17	F09	20628	CG8322	20.08785	0.042381667	473.9749892
17	F10	18155	CG8019	21.78462667	0.040631	536.1577777
17	F11	20629	CG8370	25.04867333	0.041937667	597.2834286
17	F12	18159	CG6704	17.68016	0.035651	495.923256
17	F13	20632	CG8481,CG9473	19.0322	0.041487667	458.7435623
17	F14	18162	CG7626	10.40868333	0.023157	449.4832376
17	F15	20634	CG8569	17.48695667	0.031264	559.3320326
17	F16	18163	CG7742	16.76515	0.041235667	406.5691513
17	F17	20633	CG8526	19.47128333	0.034653333	561.8877453
17	F18	18216	CG1903	17.10691333	0.032330667	529.1234329
17	F19	20669	CG8544	16.82201333	0.024636	682.8224279
17	F20	18181	CG6582	12.94290333	0.035456	365.0412718
17	F21	20651	CG14939	14.86687667	0.037408667	397.417978
17	F22	25293	CG15769	19.09449333	0.032262667	591.8448568
17	F23	18129	CG6382	17.74788667	0.033664667	527.1962691
17	F24	25321	CG15865	17.52161	0.028986333	604.4783174
17	G01	30299	CG5559	18.31681667	0.039216667	467.0671483
17	G02	29916	CG32215	19.22792333	0.036988333	519.8375163
17	G03	30286	CG5502	2.327101667	0.036442667	63.85651434
17	G04	29912	CG32168	14.33862	0.053685	267.0880134
17	G05	30264	CG5589	11.250457	0.050134333	224.4062352
17	G06	29920	CG32101	16.49902	0.041384667	398.6747104
17	G07	30105	CG32448	21.69931333	0.039460667	549.8972817
17	G08	29921	CG32114	19.9131	0.039533333	503.7040472
17	G09	30109	CG32467	20.55162	0.033074667	621.3704346
17	G10	29923	CG32148	16.88002333	0.040371	418.1224972
17	G11	30110	CG3264	20.02961333	0.035811333	559.3093434
17	G12	29914	CG32185	20.50303333	0.037626667	544.9069809
17	G13	30111	CG3274	7.352390667	0.040726667	180.5301359
17	G14	29915	CG32196	18.98009333	0.038938	487.4439708
17	G15	30125	CG3401	18.21637	0.033607	542.0409439
17	G16	29972	CG32178	20.20921333	0.038511	524.7646993
17	G17	30148	CG3358	21.09955	0.035765333	589.9441731
17	G18	23796	CG9988	17.93068333	0.033869	529.4128357
17	G19	29917	CG32047	18.84779667	0.038112333	494.5327409
17	G20	23800	CG1048	15.39025667	0.029283	525.5696707
17	G21	29913	CG32024	20.06025	0.035309667	568.1234601
17	G22	23851	CG1343	19.64379333	0.037839333	519.136877
17	G23	29918	CG32065	19.01535333	0.036026667	527.8132865
17	G24	23826	CG1155	19.28813333	0.028332333	680.7816746
17	H01	23833	CG2972	11.42733267	0.052254667	218.6853997
17	H02	18156	CG1882	6.732162	0.045303	148.6030064
17	H03	20613	CG8625	61.07932	0.048537	1258.407401
17	H04	18161	CG7529	17.60647333	0.045031	390.9856173
17	H05	20647	CG8594	16.31780667	0.049500667	329.6482202

17	H06	18170	CG6659	14.58945	0.037141667	392.8054745
17	H07	20636	CG8291	15.74559333	0.047803	329.3850456
17	H08	18166	CG32316	15.81589667	0.048131667	328.5964888
17	H09	20640	CG8323	17.76079	0.037638667	471.8761734
17	H10	18167	CG8024	16.22323667	0.041818	387.9486505
17	H11	20641	CG8380	19.25631667	0.035648	540.1794397
17	H12	18171	CG6706	13.98154	0.040666667	343.8083607
17	H13	20644	CG8486	17.00280333	0.041014333	414.5575937
17	H14	18174	CG7639	19.49329333	0.034625667	562.9723615
17	H15	20646	CG8573	13.63155333	0.036229	376.2608224
17	H16	18175	CG7747	15.14498333	0.033183333	456.4033149
17	H17	20642	CG8422	16.90766667	0.037854	446.6546908
17	H18	18176	CG7830	12.096115	0.035910667	336.8390543
17	H19	20643	CG8445	20.65886	0.032525	635.1686395
17	H20	18193	CG6597	16.15089	0.030465333	530.1399405
17	H21	20663	CG14940	17.56262667	0.032539667	539.7297657
17	H22	25305	CG15773	17.11401333	0.029981333	570.8222894
17	H23	18201	CG6451	19.17352667	0.029799667	643.4141321
17	H24	25333	CG15874	21.28076667	0.026873	791.9014128
17	I01	30311	CG5561	14.55292933	0.042576	341.8106288
17	I02	29928	CG32217	13.46780967	0.040700667	330.8989943
17	I03	30319	CG5450	15.84479333	0.041452667	382.2382155
17	I04	29967	CG32094	13.10466867	0.042632667	307.3856198
17	I05	30318	CG5393	10.58545767	0.039685667	266.7325147
17	I06	29932	CG32102	12.736661	0.042782667	297.7061037
17	I07	30117	CG32450	15.04841	0.046248333	325.3827525
17	I08	29933	CG32115	13.30108	0.043884	303.0963449
17	I09	30121	CG32468	16.11294333	0.040345	399.37894
17	I10	29935	CG32151	13.63149	0.035023	389.2153728
17	I11	30122	CG3265	19.05322333	0.049422	385.5210905
17	I12	29926	CG32186	16.15094	0.037798	427.2961532
17	I13	30139	CG3528	16.83551	0.043167333	390.0057914
17	I14	29927	CG32198	16.89982333	0.042407333	398.511814
17	I15	30137	CG3403	8.124403333	0.039051333	208.0441982
17	I16	29934	CG32132	14.78495667	0.033773667	437.7658136
17	I17	29883	CG32077	15.01794	0.044024333	341.128164
17	I18	23849	CG1136	16.65562667	0.035591667	467.9642238
17	I19	29929	CG32050	14.78150667	0.030487	484.8462186
17	I20	23790	CG1143	15.1644	0.039996667	379.1415951
17	I21	29925	CG32026	16.20591333	0.033181667	488.3996183
17	I22	23813	CG1103,CG9772	13.47176333	0.035383	380.741128
17	I23	29930	CG32069	13.99563	0.03528	396.7015306
17	I24	23838	CG1157	18.67197333	0.032574	573.2170852
17	J01	23810	CG3075	12.37771667	0.048563333	254.8778228
17	J02	18168	CG1883	1.975619	0.045208	43.70065033
17	J03	20625	CG8631	13.48575667	0.049618	271.7916213
17	J04	18173	CG7530	9.696406667	0.046820667	207.0967237
17	J05	20659	CG8596	15.66731	0.051764667	302.6641725
17	J06	18182	CG6662	13.19572	0.044674	295.3780723
17	J07	20648	CG8301	17.80624	0.048568333	366.622422
17	J08	18178	CG7957	5.818055	0.031314667	185.7932917
17	J09	20652	CG8326	12.3451	0.044031	280.3729191
17	J10	18179	CG8036	15.30173667	0.046197667	331.2231498
17	J11	20653	CG8388	14.71816	0.045838667	321.0861282

17	J12	18183	CG6711	6.353434	0.035687667	178.0288428
17	J13	20656	CG8491	4.459538667	0.048706333	91.55972871
17	J14	18186	CG31314	16.89644667	0.038108667	443.3754352
17	J15	20658	CG14767	22.64262667	0.041401	546.910139
17	J16	18187	CG7766	16.58072333	0.040209667	412.3566472
17	J17	20654	CG8428	17.73467667	0.037656	470.9654947
17	J18	18188	CG7832	15.08484667	0.038139333	395.5194113
17	J19	20655	CG8446	14.741088	0.034565333	426.4702978
17	J20	18205	CG6603	25.34500333	0.043834	578.2042098
17	J21	20675	CG14941	19.76990333	0.040564333	487.3715826
17	J22	25317	CG15786	15.42409333	0.036683667	420.4621494
17	J23	18153	CG6404	16.22675	0.034280667	473.349896
17	J24	25345	CG15879	16.94615667	0.036064	469.8912119
17	K02	29940	CG32219	14.86811	0.046928	316.8281197
17	K03	30296	CG5468	18.84237	0.048212	390.823239
17	K04	29936	CG32170	14.59558	0.044277667	329.6375148
17	K05	30341	CG33107	12.42917	0.047571	261.2761977
17	K06	29944	CG32106	16.79613667	0.047099667	356.6083978
17	K07	30129	CG32452	13.47209	0.044608	302.0106259
17	K08	29945	CG32116	12.72447833	0.042569667	298.909513
17	K09	30133	CG32476	13.83383667	0.053023667	260.899284
17	K1	30332	CG5476	15.131606	0.043398667	348.6652278
17	K10	29947	CG32152	15.03332333	0.0424	354.5595126
17	K11	30134	CG3267	16.15961667	0.045604333	354.3438854
17	K12	29938	CG32187	14.05180333	0.043413	323.6773163
17	K13	30135	CG3283	12.92103667	0.037008	349.1417171
17	K14	29939	CG33149	12.04372967	0.035571333	338.5796522
17	K15	30149	CG3409	12.87754	0.041291	311.8728052
17	K16	29946	CG32135	14.66164667	0.049136333	298.3870727
17	K17	29895	CG32079	11.689477	0.037657333	310.4170148
17	K18	23820	CG9993	11.71234333	0.041715333	280.7683026
17	K19	29941	CG32053	12.18403	0.035242333	345.7214335
17	K20	23802	CG1150	12.31648333	0.037778333	326.0197644
17	K21	29937	CG32027	13.32831	0.037607667	354.4040665
17	K22	23852	CG1501	13.41775	0.038476	348.7303774
17	K23	29942	CG32071	14.77841667	0.033785333	437.4210703
17	K24	23816	CG1429	15.36969333	0.034437667	446.3047245
17	L01	23797	CG2961	16.08681333	0.059774667	269.1242667
17	L02	18180	CG1886	3.508852333	0.046591667	75.31072796
17	L03	20637	CG8635	12.29377667	0.048160667	255.2659155
17	L04	18185	CG7533	12.21975767	0.044535333	274.3834334
17	L05	20671	CG8597	42.1717	0.055754667	756.379735
17	L06	18194	CG6664	8.590759	0.04195	204.7856734
17	L07	20660	CG8306	11.888963	0.045246	262.7627415
17	L08	18190	CG7977	0.991096	0.033992667	29.15617094
17	L09	20664	CG8334	12.76039333	0.044273	288.2206612
17	L10	18191	CG8042	10.64400833	0.043788667	243.0767855
17	L11	20665	CG8389	13.29678633	0.044685667	297.5626711
17	L12	18195	CG6718	11.82949	0.060632333	195.1020083
17	L13	20668	CG8492	13.13567333	0.042622333	308.1875699
17	L14	18198	CG7669	11.04639967	0.037186	297.0580236
17	L15	20670	CG32380	11.87998667	0.037072	320.4571285
17	L16	18199	CG7769	6.555760667	0.038478667	170.3739042
17	L17	20666	CG8430	14.10412333	0.040641667	347.0360468

17	L18	18200	CG7875	12.57189667	0.037562333	334.6942416
17	L19	20667	CG8451	13.04748	0.045143333	289.0234069
17	L20	18217	CG6606	11.14722	0.036113	308.6761
17	L21	20687	CG14945	12.78246667	0.044799333	285.3271626
17	L22	25329	CG15800	14.68255333	0.037773	388.7049833
17	L23	18213	CG6455	16.81356333	0.03398	494.8076319
17	L24	25357	CG15880	17.96246667	0.034152333	525.9513747
17	M01	30344	CG5483	13.93974667	0.040046667	348.0875645
17	M02	29931	CG32088	17.4476	0.045176333	386.2110692
17	M03	30308	CG5471	15.11679333	0.042822333	353.0119019
17	M04	29948	CG32172	14.60429333	0.046283667	315.538815
17	M05	30342	CG5408	13.85841667	0.045640667	303.6418545
17	M06	29956	CG32107	14.96560667	0.049004333	305.3935366
17	M07	30141	CG32454	15.87708667	0.043886667	361.7747228
17	M08	29957	CG32117	17.61546	0.052261333	337.0648791
17	M09	30145	CG32483	18.3077	0.049707	368.3123101
17	M10	29959	CG32154	16.09647	0.03599	447.2484023
17	M11	30146	CG3268	10.79413633	0.047782	225.9038201
17	M12	29950	CG3219	13.94066667	0.041114667	339.0679725
17	M13	30147	CG3287	18.56429	0.041759667	444.5507228
17	M14	29951	CG32201	14.58469	0.04203	347.0066619
17	M15	30155	CG3790	17.26956333	0.036911333	467.8661477
17	M16	29958	CG32139	17.05283667	0.036791333	463.5014587
17	M17	29907	CG32080	13.59113	0.034718	391.472147
17	M18	23766	CG1137	13.74710333	0.039205667	350.6407237
17	M19	29953	CG32056	14.94866	0.036384667	410.8505414
17	M20	23836	CG1076	13.84868667	0.038956	355.4956019
17	M21	29949	CG32032	14.67025333	0.038096667	385.0797095
17	M22	23841	CG1625	16.36657667	0.033960333	481.9321561
17	M23	29954	CG32072	15.93116	0.031025	513.4942788
17	M24	23828	CG1464	15.31007	0.033853	452.2514991
17	N01	23809	CG2968	15.19689667	0.051111	297.3312333
17	N02	18136	CG6755	8.097651667	0.028048333	288.703488
17	N03	20649	CG8636	2.434592	0.051343667	47.41757179
17	N04	18197	CG7546	16.14394	0.04839	333.6214094
17	N05	20683	CG8613	15.54060333	0.053451333	290.7430435
17	N06	18206	CG6671	2.241997333	0.040644333	55.16137551
17	N07	20672	CG8309	5.761434667	0.045516333	126.5794989
17	N08	18202	CG7981	14.36326667	0.042859	335.1283667
17	N09	20676	CG8340	17.57648	0.041232333	426.2790528
17	N10	18203	CG18659	15.03812	0.040683667	369.6353164
17	N11	20677	CG8392	2.290424	0.015112	151.563261
17	N12	18207	CG6744	14.06888667	0.042915333	327.8289034
17	N13	20680	CG8495	1.642459333	0.034573	47.50699486
17	N14	18210	CG18617	10.50359967	0.029617	354.6476573
17	N15	20682	CG8580	19.85143	0.03774	526.0050344
17	N16	18221	CG7609	13.30077	0.036438333	365.0213603
17	N17	20645	CG8536	16.83534667	0.034137333	493.1652541
17	N18	18212	CG7886	13.27909	0.034092333	389.5037007
17	N19	20686	CG8695	14.42367	0.043209667	333.8065556
17	N20	25365	CG15818	12.49547	0.034408667	363.148916
17	N21	18189	CG6446	14.4352	0.029930333	482.2933256
17	N22	25341	CG15807	13.98816667	0.035267	396.6361377
17	N23	18177	CG6439	14.6919	0.031727	463.0724619

17	N24	25381	CG15890	15.51429	0.032078667	483.6326323
17	O01	30347	CG5581	7.409266	0.036907667	200.7514067
17	O02	29943	CG32090	12.21803333	0.04491	272.0559638
17	O03	30320	CG5475	13.64735	0.046653333	292.5267934
17	O04	29960	CG32175	12.63756433	0.049063	257.5783041
17	O05	30353	CG5285	11.4395	0.049066667	233.1419837
17	O06	29968	CG32108	10.38106833	0.057092	181.830525
17	O07	30153	CG32457	13.54314667	0.046511333	291.1794975
17	O08	29969	CG32118	13.74913667	0.055172667	249.2019599
17	O09	30157	CG32484	14.39100333	0.050771333	283.4474178
17	O10	29971	CG32161	14.13526667	0.048666333	290.4526743
17	O11	30158	CG3269	12.88169	0.042467667	303.3293565
17	O12	29962	CG32192	14.67985333	0.046307333	317.009257
17	O13	30159	CG3288	13.24492	0.042207	313.8086099
17	O14	29963	CG32202	14.40293667	0.054	266.7210494
17	O15	30156	CG3851	14.64134	0.038815667	377.2018171
17	O16	29970	CG32140	13.08261333	0.046235333	282.9570458
17	O17	29919	CG32083	14.31616	0.038075	375.9989494
17	O18	23778	CG1142	11.13423	0.040141667	277.3733859
17	O19	29965	CG32058	12.67921667	0.038499667	329.3331544
17	O20	23850	CG1158	13.63339	0.039125333	348.4542837
17	O21		wt	62.36786	0.037772667	1651.13733
17	O22		HFA17794	1.439387	0.009472	151.96231
17	O23		hpo	45.90869333	0.032202667	1425.617754
17	O24		Luc	2.188877333	0.044477667	49.21295332
17	P01	23846	CG11579,CG3109	15.39136	0.069121333	222.6716306
17	P02	18204	CG1902	13.95209	0.053354333	261.4987224
17	P03	20661	CG8643	14.68539667	0.059159667	248.2332558
17	P04	18184	CG6815	6.940592	0.055798333	124.3870844
17	P05	20695	CG8614	10.08627267	0.065441333	154.1269432
17	P06	18218	CG6677	4.860505667	0.055910667	86.93342356
17	P07	20674	CG8693	13.47045333	0.059072667	228.0319155
17	P08	18214	CG32067	10.12848767	0.049907	202.9472352
17	P09	20693	CG8562	14.06011333	0.057188	245.8577557
17	P10	18215	CG8062	11.57851333	0.044459333	260.4293062
17	P11	20685	CG8651	4.780081333	0.044388667	107.6869772
17	P12	18196	CG6822	13.25520333	0.048468667	273.4798426
17	P13	20692	CG8503	14.80637667	0.048486	305.3742661
17	P14	18208	CG6838	11.35797	0.053345333	212.9140318
17	P15	20694	CG8581	11.09424167	0.044869333	247.2566638
17	P16	18223	CG7806	11.82653333	0.047383333	249.5926838
17	P17	20690	CG8435	10.98563333	0.058575333	187.5470904
17	P18	18224	CG7889	10.09870233	0.036741	274.8619344
17	P19	20691	CG8468	13.20108	0.038791	340.3129592
17	P20	25377	CG15819	10.84662667	0.035615667	304.5465011
17	P21		wt	59.35324333	0.033244	1785.382124
17	P22		HFA17794	1.228231667	0.008821333	139.2342427
17	P23		hpo	43.20267333	0.032667667	1322.490332
17	P24		Luc	1.902048667	0.037843333	50.26112922
18	A01		DIAP1	0.310373	0.008773333	35.3768617
18	A02		ex/ft	34.38081	0.045388333	757.4812176
18	A03		Luc	1.808057	0.047074333	38.40855243
18	A04		hpo	37.3192	0.044976667	829.7457941
18	A05	25299	CG15916	9.358888333	0.041634	224.789555

18	A06	27692	CG14898	11.368767	0.051521	220.6627783
18	A07	25332	CG11001	14.14334333	0.046151667	306.453577
18	A08	27697	CG7841	10.07471967	0.043473333	231.7448167
18	A09	30646	CG8589	12.35105	0.046503333	265.5949394
18	A10	27694	CG4710	8.715654667	0.036540333	238.5214877
18	A11	30648	CG8687	11.69270667	0.040863667	286.1394393
18	A12	27699	CG9771	11.763386	0.048599667	242.0466396
18	A13	30653	CG8346	10.17733467	0.046071667	220.9022465
18	A14	27690	CG12142	11.82013133	0.041749333	283.1214391
18	A15	30651	CG8245	11.87209333	0.046760667	253.8905918
18	A16	27598	CG2219	8.649761667	0.03886	222.5877938
18	A17	30647	CG8629	10.84802333	0.037734667	287.4816261
18	A18	27600	CG5264	4.381130667	0.036569667	119.8023134
18	A19	30655	CG8475	8.932204	0.034032333	262.4622859
18	A20	27599	CG4279	9.585538	0.042006	228.194496
18	A21	30668	CG8541	9.466732667	0.036081333	262.3720299
18	A22	27601	CG32708	11.32552	0.03961	285.9257763
18	A23	27693	CG3051	10.197944	0.052569333	193.9903619
18	A24	27593	CG14207	13.47451333	0.040225667	334.9730272
18	B01		DIAP1	0.344569667	0.011225667	30.69480654
18	B02		ex/ft	34.88949667	0.053644	650.3895434
18	B03		Luc	1.725675333	0.062948667	27.4140093
18	B04		hpo	40.67754	0.042854333	949.2048256
18	B05	27603	CG9250	6.012539333	0.058535	102.7169955
18	B06	24143	CG1273	11.00693467	0.055221333	199.3239569
18	B07	27604	CG11228	32.81679	0.046350333	708.0162674
18	B08	24229	CG3047	11.76694333	0.051844333	226.9668173
18	B09	27594	CG12275	5.222861	0.042911	121.713803
18	B10	23572	CG9501	9.377735333	0.045774	204.8703485
18	B11	27596	CG31811	12.72486667	0.040300667	315.748292
18	B12	23578	CG6130	9.498913667	0.038602333	246.0709715
18	B13	27602	CG7712	11.2944	0.047362	238.4696592
18	B14	23573	CG32092	5.745141667	0.040187667	142.9578312
18	B15	24149	CG6811,CG9762	11.20055267	0.039159	286.0275458
18	B16	23581	CG5920	1.154734667	0.032472333	35.56056951
18	B17	24148	CG9684	11.99450333	0.044623333	268.7944274
18	B18	23587	CG6030	5.927634667	0.034357	172.5306245
18	B19	24142	CG9386	12.94130333	0.034668	373.2924695
18	B20	23592	CG6231	9.618874	0.041995667	229.0444411
18	B21	24146	CG8500,CG9470	11.76191667	0.035415667	332.1105537
18	B22	23589	CG6106	9.923861	0.030892667	321.2367876
18	B23	24150	CG9809	12.43754267	0.034305333	362.5541995
18	B24	29114	CG18586	18.35027	0.044961	408.1374969
18	C01	25313	CG16756	13.91892	0.052413	265.5623605
18	C02	27703	CG13623	14.37622667	0.041225667	348.7202956
18	C03	25302	CG16790	18.06525	0.048695333	370.9852416
18	C04	27707	CG6164,CG6173	1.359525333	0.044547333	30.51866928
18	C05	25327	CG16848	10.600186	0.047753333	221.9779282
18	C06	27704	CG14974	13.08193333	0.045300667	288.7801504
18	C07	25382	CG15914	13.14023667	0.043551	301.7206647
18	C08	27709	CG7917	15.89868333	0.046523333	341.7356882
18	C09	30658	CG8598	15.52621333	0.059032333	263.0120217
18	C10	27706	CG5326	12.77776667	0.049212	259.647376
18	C11	30660	CG8697	15.63260333	0.041994333	372.2550662

18	C12	27711	CG9875	14.36263667	0.042927333	334.5802208
18	C13	30712	CG8335	17.48891	0.037655667	464.4429789
18	C14	27780	CG7781	14.24931	0.036914333	386.0102219
18	C15	30722	CG8228	16.17359	0.040578333	398.576991
18	C16	27610	CG2328	15.22849667	0.040169	379.1106741
18	C17	30659	CG8634	16.97559	0.042137	402.8666018
18	C18	27612	CG5268	14.17263333	0.037519333	377.7421418
18	C19	30667	CG8490	11.05803667	0.040136	275.5141685
18	C20	27611	CG4485	13.53555333	0.040948667	330.5493056
18	C21	30680	CG8543	17.63529	0.038608	456.7781289
18	C22	27597	CG17759	18.3956	0.039554667	465.0677543
18	C23	27761	CG2049	16.86752333	0.033243333	507.3956683
18	C24	27681	CG1987	13.32454	0.033030333	403.4031345
18	D01	27613	CG7007	13.42163667	0.041394	324.2411138
18	D02	24144	CG30497	13.81278	0.053926	256.1432333
18	D03	27607	CG14903	13.30129	0.046019	289.0390925
18	D04	24152	CG9967	12.33612267	0.047186	261.4360757
18	D05	27615	CG9334	14.41932333	0.053900667	267.5166046
18	D06	24155	CG1314	15.27747	0.047543	321.3400501
18	D07	27616	CG11320	15.86373	0.04758	333.4117276
18	D08	23582	CG9380	13.18414	0.050685667	260.1157461
18	D09	27606	CG16752	14.57017667	0.047148333	309.0284563
18	D10	23595	CG9468	12.36926333	0.040611667	304.5741372
18	D11	27608	CG16983	6.802152667	0.057005333	119.3248468
18	D12	23590	CG6136	13.44958	0.045500667	295.5908338
18	D13	27614	CG7804	15.96656	0.054806	291.3286866
18	D14	23634	CG6008	14.54721	0.036523667	398.2954431
18	D15	24161	CG9770	13.24784667	0.041493	319.2790752
18	D16	23593	CG5927	14.10736667	0.041006333	344.0289711
18	D17	24160	CG9705	15.41396333	0.044027667	350.0972116
18	D18	23599	CG6034	14.03807667	0.042440333	330.7720643
18	D19	24151	CG9896	15.19474667	0.035481333	428.246214
18	D20	23619	CG9486	13.05431	0.038591	338.2734316
18	D21	24158	CG9487	14.21115	0.034567333	411.1150219
18	D22	23660	CG6129	14.20599	0.036316	391.1771671
18	D23	24162	CG9812	15.44993667	0.031814667	485.6230879
18	D24	29125	CG18591	8.936756333	0.0515	173.5292492
18	E01	25325	CG16771	25.34203667	0.047859667	529.5071703
18	E02	27715	CG13695	25.54982	0.042746	597.7125345
18	E03	25314	CG16793	23.91028667	0.043536667	549.1988362
18	E04	27719	CG6253	1.710667	0.037298333	45.86443541
18	E05	25339	CG16865	19.50580667	0.035471667	549.8982286
18	E06	27716	CG15066	22.09070667	0.036011667	613.4319434
18	E07	25356	CG11023	21.09685	0.040584667	519.823168
18	E08	27760	CG11676	15.20621333	0.039591	384.0825777
18	E09	30670	CG8599	21.75775333	0.036773667	591.6666818
18	E10	27770	CG32698	18.81188333	0.034954667	538.1794515
18	E11	30650	CG8157	17.63842333	0.035298667	499.6909232
18	E12	27723	CG10704	16.947	0.038151667	444.2007776
18	E13	30724	CG8343	20.91517333	0.038908667	537.5453626
18	E14	27714	CG12601	16.19978	0.032511	498.2861185
18	E15	30675	CG8262	16.98334667	0.031597333	537.4930374
18	E16	27622	CG3204	19.08112667	0.037550333	508.1479969
18	E17	30671	CG8638	19.20782	0.036792667	522.0556633

18	E18	27624	CG6000	18.43124	0.033866	544.2402409
18	E19	30654	CG8397	16.5088	0.033685	490.0935134
18	E20	27623	CG4787	15.59939333	0.058969	264.5354904
18	E21	30740	CG8588	15.65162333	0.038198333	409.7462367
18	E22	27677	CG17349	16.15026	0.033333	484.5126451
18	E23	27717	CG4036	20.22399667	0.029774667	679.235032
18	E24	27617	CG14887	18.32064667	0.034631333	529.0193851
18	F01	27625	CG7130	16.22265333	0.061811	262.4557657
18	F02	24156	CG1623	18.70847667	0.049472667	378.157838
18	F03	27619	CG14966	22.05515	0.054037333	408.1465283
18	F04	24164	CG9973	13.14169	0.048434	271.3319156
18	F05	27627	CG9548	13.09305333	0.050446667	259.5424871
18	F06	24217	CG3025	20.38566333	0.042422	480.5446074
18	F07	27628	CG11386	12.89798333	0.046493333	277.4157585
18	F08	23594	CG9384	17.96795	0.044761333	401.4167734
18	F09	27618	CG13393	8.969806667	0.045488333	197.1891694
18	F10	23596	CG9504	14.93618333	0.038858	384.3785921
18	F11	27620	CG17202	18.33387333	0.045741	400.8192504
18	F12	23588	CG6072	14.13330333	0.036060333	391.9349054
18	F13	27626	CG7835	15.09503333	0.039780667	379.4565199
18	F14	23645	CG6009,CG6011	15.54522333	0.028578667	543.9450173
18	F15	24173	CG9777	16.50021333	0.036838667	447.9047378
18	F16	23605	CG5932	13.65108667	0.030634667	445.6091139
18	F17	24172	CG31349	19.78749667	0.034463	574.1664007
18	F18	23611	CG6048	13.57363333	0.030332	447.502088
18	F19	24163	CG9919	19.10242667	0.039405	484.7716449
18	F20	23631	CG9494	15.00560333	0.036911667	406.5273852
18	F21	24170	CG9497	15.27399	0.031392	486.5567661
18	F22	23613	CG6113	15.92897667	0.028541	558.108569
18	F23	24174	CG9815	17.19551	0.031681	542.7704302
18	F24	29193	CG18584	14.36261667	0.029065667	494.1437205
18	G01	25337	CG16779	15.79047	0.045392667	347.8638987
18	G02	27727	CG13935	16.24552333	0.040458667	401.5338288
18	G03	25324	CG16725	16.93100667	0.036427333	464.7885288
18	G04	27708	CG7013	14.23145333	0.050307	282.8921091
18	G05	25322	CG15897	13.07931333	0.044584667	293.3590023
18	G06	27728	CG15168	15.81018333	0.042410333	372.7908293
18	G07	25372	CG16736	19.51933667	0.043158333	452.2727167
18	G08	27733	CG11760,CG8116	17.30692333	0.045193667	382.9501921
18	G09	30682	CG8600	19.49239333	0.036216	538.2260143
18	G10	27730	CG5585,CG5605	9.678550333	0.042571	227.3507865
18	G11	30684	CG8705	14.84177333	0.045555	325.7989975
18	G12	27724	CG11405	18.10921667	0.040556667	446.5163968
18	G13	30736	CG8345	16.94565667	0.039847333	425.2645095
18	G14	27726	CG12612	17.53431667	0.034940333	501.8359871
18	G15	30687	CG8280	13.37339	0.041579	321.6380865
18	G16	27634	CG3214	23.6895	0.036529667	648.5003057
18	G17	30716	CG8582	17.35985667	0.029259667	593.3032958
18	G18	27636	CG6196	18.35280667	0.030896667	594.0060416
18	G19	30691	CG8498	19.54045	0.036715667	532.2101374
18	G20	27635	CG4800	19.41448667	0.028368	684.3798176
18	G21	30704	CG8579	19.25527	0.031602333	609.2989969
18	G22	27621	CG1249	11.48385733	0.044832	256.1531347
18	G23	27773	CG2872	17.0596	0.031701667	538.1294359

18	G24	27629	CG14904	16.34420667	0.035612333	458.94793
18	H01	27637	CG7172	14.21041	0.045744	310.6507957
18	H02	24168	CG1678	15.60674667	0.0449	347.5890126
18	H03	27631	CG15061	16.36472	0.042717667	383.0902125
18	H04	24187	CG9925	16.70722667	0.042592333	392.2590138
18	H05	27639	CG9697	16.07973333	0.044512667	361.2394974
18	H06	24179	CG1339	13.57830667	0.048386667	280.6208322
18	H07	27640	CG31612	14.13537333	0.040755333	346.8349337
18	H08	23606	CG9394	15.13466	0.034884	433.8567825
18	H09	27630	CG13795	15.17265667	0.036467667	416.0577863
18	H10	23608	CG9505	16.24389333	0.037929333	428.2673041
18	H11	27632	CG17272	15.47677333	0.039746	389.3919724
18	H12	23614	CG6144	15.39210333	0.038940667	395.2706682
18	H13	27638	CG7887	5.029474	0.040626333	123.7983738
18	H14	23609	CG5963	12.53941	0.035467667	353.5448249
18	H15	24185	CG9781	15.21385667	0.034964667	435.1208839
18	H16	23627	CG6205	15.81882	0.029751	531.7071695
18	H17	24159	CG31150,CG4546	15.63209	0.035164333	444.5439034
18	H18	23598	CG5999	15.40897	0.028353333	543.4623795
18	H19	24178	CG30388,CG9406	16.35297	0.033305667	490.9966272
18	H20	23628	CG9345	11.84836333	0.033846	350.0668715
18	H21	24207	CG9654	18.70384667	0.03635	514.5487391
18	H22	23625	CG6123	16.11971667	0.028906	557.6598861
18	H23	24219	CG9681	15.57029333	0.033544667	464.1659876
18	H24	29149	CG18600	13.67826667	0.030932667	442.1948749
18	I01	25349	CG16781	16.92622	0.046489333	364.0882496
18	I02	27722	CG9236	17.14101333	0.045473	376.9492519
18	I03	25336	CG16726	19.42318667	0.050400667	385.3755903
18	I04	27743	CG6493	26.13191667	0.073400667	356.0174295
18	I05	25347	CG16700	17.75032667	0.044068667	402.7879219
18	I06	27740	CG15211	16.83003333	0.041358333	406.9320975
18	I07	30664	CG8325	14.89841667	0.049935333	298.3542048
18	I08	27745	CG33205	17.69122	0.049466	357.6440383
18	I09	30694	CG8601	20.05295667	0.046377333	432.3870138
18	I10	27742	CG5654	18.08062333	0.039906333	453.0765376
18	I11	30696	CG8722	17.59156	0.039500667	445.3484329
18	I12	27736	CG11562	14.74983	0.040324	365.7829084
18	I13	30701	CG8369	17.65591	0.045806333	385.4469178
18	I14	27782	CG9740	18.80055	0.041227333	456.0214906
18	I15	30699	CG8293	14.76926667	0.038249333	386.1313487
18	I16	27646	CG3242	15.76823	0.039778333	396.4024804
18	I17	30657	CG8021	15.44733333	0.040123	384.99946
18	I18	27648	CG6500	11.19016333	0.032655333	342.6749076
18	I19	30678	CG8412	18.01248333	0.038989333	461.9849019
18	I20	27647	CG4940	16.16917667	0.036446333	443.6434392
18	I21	27701	CG1163	6.575111333	0.024524	268.1092535
18	I22	27633	CG1330	16.22423	0.034685667	467.7502715
18	I23	27741	CG4210	15.78733333	0.031155333	506.7297199
18	I24	27641	CG15427	15.92893	0.033712333	472.4956247
18	J01	27649	CG7291	14.19873533	0.067627333	209.9555702
18	J02	24169	CG1759	12.95087667	0.052134	248.4151737
18	J03	27643	CG15455	13.71549	0.057589333	238.1602496
18	J04	24188	CG9996	18.75343	0.054473	344.2701889
18	J05	27651	CG12478	16.26134333	0.050708667	320.6817375

18	J06	24191	CG1360	13.18104	0.043752667	301.2625516
18	J07	27652	CG11748	17.07091667	0.053553333	318.7647828
18	J08	23618	CG9416	15.68199333	0.038990333	402.2020843
18	J09	27642	CG14206	1.713337	0.037916333	45.18730714
18	J10	23620	CG9507	17.01147667	0.050157667	339.1600486
18	J11	27644	CG17361	16.23985667	0.043585333	372.5991159
18	J12	23626	CG6148	14.604153	0.036768	397.1973727
18	J13	27650	CG8210	12.50165667	0.035440333	352.7522315
18	J14	23621	CG5988	11.09448667	0.034647	320.2149296
18	J15	24197	CG9796	16.49488667	0.039167333	421.1388742
18	J16	23629	CG5948	15.64406	0.040905667	382.4423674
18	J17	24196	CG9734	16.03051667	0.039915333	401.6129975
18	J18	23635	CG6055	15.08637	0.031905333	472.8479042
18	J19	24190	CG9412	16.02028333	0.036009667	444.8884096
18	J20	23640	CG9358	14.00975667	0.031699333	441.9574544
18	J21	24194	CG9552	14.01199333	0.032012333	437.7060924
18	J22	29110	CG18543	15.7275	0.032442333	484.7832564
18	J23	24198	CG9839	16.22311	0.040677	398.827593
18	J24	29161	CG18607	14.20659333	0.034761333	408.6895401
18	K02	27751	CG14357	12.33520067	0.044171667	279.2559484
18	K03	25350	CG33009	14.28423333	0.050157333	284.7885321
18	K04	27755	CG30101	13.99888333	0.049064667	285.3149585
18	K05	25359	CG16708	13.56889667	0.048637	278.9830102
18	K06	27752	CG12676	12.48693667	0.051380667	243.0279223
18	K07	30705	CG8066	8.601052667	0.042775667	201.0734919
18	K08	27757	CG8198	11.70159567	0.04469	261.8392407
18	K09	30706	CG8609	10.017889	0.041219	243.0405638
18	K1	25361	CG16785	6.700588333	0.033861333	197.8831804
18	K10	27754	CG5739	9.486244333	0.037539667	252.6992159
18	K11	30708	CG8743	16.78673667	0.028303333	593.1010482
18	K12	27748	CG32514	10.36795533	0.040656	255.0166109
18	K13	30713	CG8376	8.022260667	0.038505	208.3433493
18	K14	27750	CG13383	5.644430667	0.041345	136.5202725
18	K15	30726	CG8444	8.875563667	0.034331667	258.5241128
18	K16	27658	CG3604	12.28456333	0.056584	217.1031269
18	K17	30707	CG8671	10.93652933	0.033708333	324.445864
18	K18	27660	CG6580	12.11216667	0.037410333	323.7652698
18	K19	30715	CG8510	12.61823667	0.041553667	303.6612092
18	K20	27659	CG4993	12.10100667	0.037265667	324.722667
18	K21	27713	CG33045	10.60878167	0.032669667	324.7288004
18	K22	27645	CG32675	10.52692333	0.038647667	272.3818601
18	K23	27737	CG1980	12.82493333	0.040157667	319.3645049
18	K24	27653	CG16904	11.00072667	0.032614667	337.2938555
18	L01	27661	CG7345	10.293868	0.062476333	164.7642787
18	L02	24153	CG1153	15.94241	0.054204333	294.116891
18	L03	27655	CG15525	10.60270167	0.056175667	188.741893
18	L04	24225	CG1246	12.85688	0.051501667	249.6400764
18	L05	27663	CG10325	10.99207067	0.041369	265.7079133
18	L06	24203	CG1421	14.04714333	0.044398	316.391354
18	L07	27664	CG11753	9.703537333	0.048308667	200.865352
18	L08	23630	CG9431	11.93981333	0.050310333	237.3232802
18	L09	27654	CG14499	10.759417	0.042794	251.4234939
18	L10	23632	CG9508	10.12248733	0.037387	270.7488521
18	L11	27656	CG17477	12.43730333	0.039269667	316.7152764

18	L12	23638	CG6149	11.584639	0.034537667	335.4204299
18	L13	27662	CG8690	14.70790333	0.037478	392.4409876
18	L14	23633	CG31089	8.762507	0.03756	233.2935836
18	L15	24209	CG31523	9.902193	0.044108	224.4987984
18	L16	23650	CG6210	14.69625667	0.042358	346.9535074
18	L17	24208	CG9741	10.96245233	0.037594667	291.5959445
18	L18	23622	CG6006	8.648056	0.034671	249.4319748
18	L19	24202	CG9415	9.376459	0.038051333	246.4160432
18	L20	23651	CG9361	6.553781333	0.039780333	164.7492815
18	L21	24206	CG9569	12.96366	0.033709333	384.5718298
18	L22	29157	CG18558	15.20516667	0.037907333	401.1141204
18	L23	24210	CG30190	11.758614	0.035642333	329.9058423
18	L24	29173	CG18616	10.38571733	0.038054667	272.9157353
18	M01	25373	CG16787	18.29931667	0.054338667	336.7641827
18	M02	27746	CG9353	13.66712333	0.045176333	302.5283888
18	M03	25362	CG31728	12.76033	0.046624333	273.6839133
18	M04	27744	CG7305	14.58111667	0.039129	372.6422006
18	M05	25358	CG15911	14.98875333	0.043494667	344.6112933
18	M06	27753	CG32578,CG4211	10.941107	0.0547	200.0202377
18	M07	30688	CG8330	13.74283667	0.043143333	318.5390559
18	M08	27769	CG8289	15.82101667	0.046821	337.904288
18	M09	30718	CG8612	14.47299667	0.037389333	387.0889202
18	M10	27777	CG4491	14.46976333	0.035170667	411.4156684
18	M11	30720	CG8764	10.20366933	0.035472333	287.6514843
18	M12	27771	CG11015	13.19756	0.039792	331.663651
18	M13	30725	CG8390	12.94768333	0.038564333	335.742439
18	M14	27762	CG13420	14.29132	0.038107667	375.0247982
18	M15	30723	CG8308	11.92832333	0.042581	280.1325317
18	M16	27670	CG3751	1.740081333	0.031836667	54.65651764
18	M17	30719	CG8674	14.71817	0.042067	349.8744859
18	M18	27672	CG6702	11.08014333	0.034824	318.175492
18	M19	30702	CG8426	18.56898333	0.038355667	484.1262047
18	M20	27671	CG5157	12.04332	0.031279	385.0289332
18	M21	27725	CG1507	12.46055333	0.033036	377.181055
18	M22	27657	CG1577	14.11113333	0.037348	377.8283531
18	M23	27749	CG2022	13.83839333	0.030097	459.7931134
18	M24	27665	CG17136	18.48442	0.035970667	513.8748239
18	N01	27673	CG7398	22.00997	0.025202667	873.3190932
18	N02	24201	CG10050,CG1152,CG1176	12.93315333	0.044939333	287.7913928
18	N03	27667	CG15616	12.77414667	0.04819	265.0787854
18	N04	24223	CG9938	16.02622333	0.072452333	221.1967869
18	N05	27675	CG10603	14.02310333	0.048964	286.3961958
18	N06	24215	CG1447	13.26023667	0.043301333	306.2316018
18	N07	27676	CG11801	15.98872	0.043520667	367.3822399
18	N08	23642	CG9444	13.62887667	0.040575	335.8934483
18	N09	27666	CG14548	16.71085667	0.043760667	381.8693347
18	N10	23644	CG9509	13.25577667	0.034164	388.0042345
18	N11	27668	CG18125	14.45085	0.039923	361.9680385
18	N12	23649	CG6154	13.06197333	0.042246	309.1884044
18	N13	27686	CG9106	14.64932	0.042285	346.4424737
18	N14	23643	CG9499	12.91387	0.038759	333.1837767
18	N15	24221	CG30412	12.76472333	0.036034667	354.2345334
18	N16	23652	CG5952	13.21845333	0.031111333	424.8758223
18	N17	24220	CG9747	13.47966333	0.035200667	382.9377285

18	N18	23658	CG6069	11.98786667	0.031966	375.0192913
18	N19	24183	CG9640	12.29842333	0.02965	414.7866217
18	N20	23612	CG6092	9.993036667	0.030460667	328.063623
18	N21	24218	CG13109,CG9586	12.94066667	0.034190667	378.4853566
18	N22	29169	CG18561	13.17381	0.033076333	398.285078
18	N23	24222	CG9852	15.78254	0.031121	507.1347322
18	N24	29185	CG1862	12.87056	0.031036	414.6977703
18	O01	25348	CG16732	12.79950333	0.060088333	213.0114554
18	O02	27758	CG9568	12.41341	0.049471667	250.9195836
18	O03	25360	CG16733	13.19519333	0.049433333	266.9290627
18	O04	27756	CG7362	20.39035	0.051783	393.7653284
18	O05	25370	CG15912,CG17592	10.206845	0.045659	223.5450842
18	O06	27765	CG4317	13.46547667	0.043465667	309.7957008
18	O07	30700	CG8331	12.84283667	0.048233667	266.2629146
18	O08	27781	CG9067	14.20317333	0.057741667	245.97789
18	O09	30730	CG8627	14.73400333	0.044166333	333.6025932
18	O10	27778	CG33108,CG5915	11.47525	0.048511667	236.5461916
18	O11	30732	CG8771	7.960291	0.046233	172.1776869
18	O12	27783	CG11188	8.898201333	0.055151667	161.3405699
18	O13	30737	CG8396	13.78109	0.055219	249.5715243
18	O14	27784	CG31100	10.90764467	0.03948	276.282793
18	O15	30735	CG8317	9.37963	0.041652667	225.1867828
18	O16	27682	CG3796	11.53083333	0.044293333	260.3288682
18	O17	30693	CG8044	12.65662667	0.044683667	283.2495095
18	O18	27684	CG6870	13.13067333	0.037834333	347.0570822
18	O19	30733	CG8156	11.12134667	0.036651	303.4391058
18	O20	27669	CG1695	12.21755333	0.037554333	325.3300551
18	O21		wts	58.86256	0.035446667	1660.595072
18	O22		HFA17794	1.290601333	0.009962667	129.5437634
18	O23		hpo	41.81460333	0.030942	1351.386573
18	O24		Luc	2.057485	0.042098333	48.87331248
18	P01	27685	CG7519	14.31479333	0.064658667	221.390172
18	P02	24177	CG1162	15.35463667	0.05812	264.188518
18	P03	27679	CG16834	11.90026667	0.059215667	200.9648348
18	P04	24235	CG9948	10.25151467	0.051152333	200.4114768
18	P05	27687	CG10753	8.699003	0.052296333	166.3405911
18	P06	24227	CG1550	9.732165333	0.047891333	203.2134972
18	P07	27688	CG12071	10.24288967	0.054377667	188.3657445
18	P08	23653	CG9452	11.89359067	0.042768333	278.0933869
18	P09	27678	CG14550	11.37968	0.057786667	196.9257037
18	P10	23655	CG9512	11.59407	0.043321333	267.6295743
18	P11	27680	CG18262	13.83495333	0.043333333	319.2681538
18	P12	23647	CG6097	9.664176333	0.048505667	199.238089
18	P13	24147	CG31322	10.11349067	0.045893	220.3710951
18	P14	23656	CG5992	9.846500667	0.037748333	260.8459711
18	P15	24233	CG32940	10.33631167	0.045204333	228.6575402
18	P16	23657	CG6012	8.656525	0.037285	232.1717849
18	P17	24232	CG9748	9.801011667	0.040085333	244.5036838
18	P18	23659	CG6099	9.721109	0.034763	279.6395305
18	P19	24226	CG9467	13.44556667	0.037236333	361.0872893
18	P20	23624	CG6093	11.18595967	0.030297333	369.2060797
18	P21		wts	56.52272333	0.031899333	1771.909235
18	P22		HFA17794	1.198498	0.009077667	132.0270995
18	P23		hpo	39.54524333	0.037109	1065.65101

18	P24		Luc	1.941942	0.037906667	51.22956384
19	A01		DIAP1	0.51287	0.019144667	26.78918411
19	A02		ex/ft	42.61599667	0.056329	756.5551788
19	A03		Luc	1.831951	0.059408667	30.83642678
19	A04		hpo	36.03698333	0.053888333	668.7344199
19	A05	29117	CG18788	10.76237233	0.056461667	190.6137911
19	A06	27023	CG8738	10.95158733	0.054185667	202.112256
19	A07	29111	CG2150	11.17345	0.058924667	189.6226255
19	A08	27027	CG8945	11.15399	0.053257333	209.4357585
19	A09	29132	CG2021	10.38004967	0.058815667	176.4844344
19	A10	27028	CG8964	7.977144	0.05652	141.1384289
19	A11	29126	CG18649	9.624941667	0.050201	191.7280864
19	A12	27020	CG9093	11.39867	0.051995	219.2262718
19	A13	29178	CG1913	11.638944	0.089249333	130.4093102
19	A14	27021	CG32566	12.14705333	0.053165667	228.4755199
19	A15	18609	CG6296	11.03601067	0.043996	250.841228
19	A16	27019	CG14100	10.244155	0.047608	215.1771761
19	A17	18613	CG6335	10.98580533	0.050127333	219.1579843
19	A18	16453	CG11913	10.376726	0.049375333	210.1601204
19	A19	18614	CG6354	12.12383267	0.046802667	259.0414934
19	A20	16447	CG11655	9.706861	0.042573	228.0050971
19	A21	18617	CG6445	12.54369333	0.04981	251.8308238
19	A22	16452	CG11892	12.20951	0.041981	290.8341869
19	A23	18615	CG6393	13.748	0.049748	276.3528182
19	A24	16450	CG11822	12.29214733	0.053951	227.8391009
19	B01		DIAP1	0.369612	0.020057	18.42807997
19	B02		ex/ft	33.16126667	0.058465667	567.1921413
19	B03		Luc	1.707389	0.061110333	27.93944832
19	B04		hpo	33.89173	0.064114	528.6166828
19	B05	16454	CG11981	1.058696667	0.033087333	31.99703814
19	B06	21374	CG17086,CG6627	11.26871667	0.059458333	189.5229152
19	B07	16530	CG12874	11.18403667	0.054053667	206.9061612
19	B08	21368	CG17508	11.58635667	0.061567	188.1910222
19	B09	22993	CG6018	10.92702	0.057081333	191.4289552
19	B10	21371	CG15444	10.55133333	0.052996667	199.0942827
19	B11	23002	CG9357	11.65393033	0.063940333	182.2625833
19	B12	21378	CG13393,CG17295	12.44722333	0.055055667	226.0843268
19	B13	22998	CG6133	16.03939333	0.065795	243.7783013
19	B14	31130	CG17757	10.94828667	0.051176	213.9340055
19	B15	22999	CG6178	12.58742	0.058288	215.9521685
19	B16	31124	CG15458	11.0833	0.049097667	225.7398519
19	B17	22997	CG6073	12.12144	0.048908	247.8416619
19	B18	31125	CG32774	10.55261933	0.056432	186.997082
19	B19	23004	CG9425	14.37118	0.051485667	279.1297254
19	B20	31122	CG14231	11.69448267	0.052150333	224.2455977
19	B21	22995	CG9537	13.45806	0.051931333	259.1510584
19	B22	31128	CG14633	10.81063333	0.043216	250.1534925
19	B23	23003	CG9390	11.73979333	0.045979	255.329462
19	B24	31131	CG11696,CG15191	16.76888667	0.048207	347.8516951
19	C01	29128	CG18765	12.82767667	0.056151667	228.4469443
19	C02	27036	CG13951	13.92976333	0.058576667	237.8039606
19	C03	29127	CG18735	13.7467	0.059181333	232.281012
19	C04	27037	CG8853	10.82612767	0.061287333	176.6454352
19	C05	29129	CG18801	13.57925333	0.056947333	238.4528395

19	C06	27035	CG8757	17.11323	0.056281667	304.0640232
19	C07	29142	CG18869	13.32864	0.054324333	245.3530339
19	C08	27039	CG8949	7.641579	0.055665	137.2779844
19	C09	29144	CG2043	16.77959667	0.057434333	292.1527193
19	C10	27040	CG8966	10.529395	0.055174667	190.8374918
19	C11	29138	CG18662	13.36913667	0.053773333	248.6201959
19	C12	27029	CG9010	14.08277	0.056155667	250.7809245
19	C13	29190	CG1919	16.34106667	0.055353333	295.2137782
19	C14	27033	CG9128	14.67451	0.054804667	267.7602272
19	C15	18621	CG32548	14.35735333	0.048018	298.999403
19	C16	27031	CG14216	18.29864667	0.054146667	337.9459493
19	C17	18625	CG6338	12.55199	0.051868333	241.9971723
19	C18	16465	CG11921	13.37509333	0.044143333	302.9923733
19	C19	18626	CG6356	14.60422667	0.049809	293.2045748
19	C20	16459	CG11664	14.23677333	0.052899	269.1312375
19	C21	18629	CG6454	14.85662667	0.048738333	304.8242656
19	C22	16499	CG11859	9.841591	0.051295333	191.8613324
19	C23	18627	CG6394	16.88040333	0.051053667	330.6403719
19	C24	16443	CG11593	20.65862333	0.047196333	437.7167012
19	D01	16446	CG12809	16.34288	0.073168667	223.358997
19	D02	23068	CG9631	14.59999333	0.072994667	200.0145216
19	D03	16444	CG12018	9.064794	0.054634667	165.9165243
19	D04	21377	CG1404,CG15201	17.17077	0.059551	288.3372236
19	D05	16466	CG11982	15.15570667	0.058595	258.6518759
19	D06	21386	CG17100	8.837596	0.061031333	144.8042426
19	D07	23012	CG6214	13.96035333	0.059404333	235.0056393
19	D08	21380	CG17510	10.40873333	0.056518333	184.16561
19	D09	23005	CG6022	14.42537	0.072241333	199.6830531
19	D10	21383	CG32512	11.785622	0.052093	226.2419519
19	D11	23014	CG9360	15.34238667	0.055967667	274.1294676
19	D12	31126	CG14438	20.87882667	0.060016333	347.8857422
19	D13	23010	CG6146	14.6126	0.060227333	242.6240577
19	D14	31142	CG15044	14.74925333	0.057315	257.3367065
19	D15	23011	CG6179	14.1292	0.057933667	243.8858234
19	D16	31139	CG17601	17.10434667	0.056310333	303.7514725
19	D17	23009	CG6083	18.03517667	0.050301667	358.5403399
19	D18	31137	CG15577	13.70205333	0.047489	288.5310984
19	D19	23008	CG9590	15.37974	0.045227	340.0566034
19	D20	31134	CG14265	13.80110333	0.045932	300.4681558
19	D21	23007	CG9538	16.45988	0.049602667	331.8345788
19	D22	31140	CG14773	13.54229333	0.043284667	312.8658339
19	D23	23078	CG9536	14.52413667	0.043911	330.7630586
19	D24	31143	CG15201	15.48929333	0.052841667	293.12651
19	E01	29183	CG2611	20.53214667	0.051393	399.5125147
19	E02	27048	CG8809	19.12556	0.058483667	327.0239554
19	E03	29135	CG2512	16.16863667	0.054653333	295.8399
19	E04	27049	CG8862	18.41317	0.053911667	341.543327
19	E05	29172	CG2819	17.04901333	0.056046333	304.1949815
19	E06	27047	CG8759	16.88105667	0.051103333	330.3318114
19	E07	29197	CG18628	17.74751	0.054164333	327.6604531
19	E08	27051	CG8950	14.48163	0.048794667	296.7871489
19	E09	29156	CG2044	18.76608	0.057649	325.5230793
19	E10	27052	CG8968	20.09226667	0.055162333	364.2388828
19	E11	29131	CG1927	19.08679667	0.048396667	394.3824644

19	E12	27041	CG14001	16.48498	0.049048	336.0989235
19	E13	29196	CG2851	17.46367	0.047462333	367.9479868
19	E14	27045	CG9131	15.33745	0.043403667	353.367611
19	E15	18633	CG31075	19.01019667	0.04523	420.3006117
19	E16	27098	CG8939	11.89603	0.047828	248.7252237
19	E17	18637	CG6339	22.98422667	0.046830667	490.7943513
19	E18	16477	CG11922	19.80471667	0.043923	450.8962654
19	E19	18638	CG6361	17.07278333	0.049674	343.6965683
19	E20	16534	CG11843	17.22482333	0.042343	406.7927009
19	E21	18641	CG6459	23.36739	0.048738667	479.4425371
19	E22	16476	CG11898	16.87850333	0.040782	413.8713975
19	E23	18639	CG6398	18.72015333	0.047871333	391.0514295
19	E24	16455	CG11600	18.07328667	0.036194	499.344827
19	F01	16458	CG12821	16.18738667	0.063083	256.6045792
19	F02	23080	CG9638	20.41588333	0.058069333	351.5777117
19	F03	16456	CG12028	14.09017	0.059554333	236.5935308
19	F04	21373	CG13363,CG16982	8.476975333	0.044192667	191.8185974
19	F05	16481	CG12780	16.18202667	0.051562	313.8362877
19	F06	21398	CG17124	14.18084667	0.0678	209.1570305
19	F07	23013	CG6233,CG7636	6.139141667	0.058691667	104.5998864
19	F08	21392	CG17549	13.06817667	0.046437	281.4173324
19	F09	23017	CG6023	13.00636667	0.051809667	251.0413115
19	F10	21375	CG17046,CG17180	15.69952333	0.054773667	286.6253857
19	F11	23026	CG9362	18.43609	0.059077	312.0688254
19	F12	31138	CG14440,CG32741	11.50059	0.052491333	219.0950252
19	F13	23022	CG6147	19.59063667	0.064191333	305.1913031
19	F14	31187	CG14616	15.79536667	0.047035667	335.8167915
19	F15	23023	CG6181	16.64229	0.052202333	318.8035656
19	F16	31151	CG17596	17.33677667	0.052314667	331.3941916
19	F17	23021	CG6098	16.25461	0.055484	292.9603129
19	F18	31133	CG32700	15.36129	0.042973333	357.4609836
19	F19	23028	CG9451	14.01092333	0.044200667	316.9844346
19	F20	31144	CG15307	14.69945667	0.043758333	335.9235955
19	F21	23019	CG9539	6.181127667	0.045976333	134.4415098
19	F22	31141	CG14811	13.09243	0.043650667	299.9365416
19	F23	23027	CG9399	16.77179667	0.042771333	392.1270477
19	F24	31147	CG15342	13.57446	0.040435333	335.7078792
19	G01	29152	CG18777	18.03714	0.054982667	328.0513859
19	G02	27060	CG8814	21.16167667	0.059993	352.7357636
19	G03	29147	CG2530	15.55600333	0.061975333	251.003141
19	G04	27061	CG8870	17.37314	0.051673	336.2131094
19	G05	29153	CG18808	14.73535667	0.054678333	269.4916938
19	G06	27059	CG8780	20.08092333	0.055548	361.5057848
19	G07	29166	CG18870	14.7146	0.052145667	282.1826039
19	G08	27063	CG31090	16.47709667	0.057997333	284.1009357
19	G09	29168	CG2078	15.48200667	0.054253	285.3668307
19	G10	27064	CG33145	17.59792667	0.054517	322.797048
19	G11	29143	CG1945	13.38086667	0.049649333	269.5074791
19	G12	27042	CG9045	3.440828333	0.042116333	81.6981931
19	G13	18616	CG6415	15.95303333	0.054747	291.3955711
19	G14	27057	CG9143	13.62389333	0.053535	254.4857258
19	G15	18645	CG6315	21.69157333	0.047499667	456.6679064
19	G16	27055	CG14232	16.87285667	0.055759333	302.6014778
19	G17	18649	CG6341	18.33582333	0.049776333	368.3642829

19	G18	16489	CG11951	16.82017667	0.048532	346.5790956
19	G19	18650	CG6363	16.53447667	0.040902	404.2461656
19	G20	16483	CG11678	22.2374	0.045785667	485.6847485
19	G21	18676	CG6432	17.53654667	0.041458333	422.9920804
19	G22	16523	CG11874	19.55533	0.046352	421.8875129
19	G23	18651	CG31132	6.185161667	0.041456667	149.195827
19	G24	16486	CG11828	18.24569667	0.043766333	416.8888567
19	H01	16470	CG12831	17.16592667	0.060680333	282.8911069
19	H02	21396	CG33126	16.53175667	0.057073	289.6598508
19	H03	16468	CG32281	14.7966	0.06159	240.243546
19	H04	21381	CG15365	16.20420333	0.054778667	295.8122992
19	H05	16505	CG12800	14.84188	0.059029	251.4337021
19	H06	21367	CG17360	15.74277	0.056655	277.8707969
19	H07	23036	CG6218	15.58093	0.048006667	324.5576309
19	H08	21459	CG17252	9.244061	0.046501	198.7927356
19	H09	23029	CG6028	10.61809333	0.044876	236.6096206
19	H10	21407	CG15452	19.24582667	0.051816667	371.4215503
19	H11	23038	CG9363	17.09512667	0.055433667	308.3888852
19	H12	31183	CG12665	16.22653	0.051031333	317.9718996
19	H13	23034	CG6155	16.51050667	0.045548667	362.4805702
19	H14	31166	CG15047	15.12992333	0.048819667	309.9145153
19	H15	23035	CG6187	16.84420667	0.051104333	329.6042736
19	H16	31160	CG12684	16.68209	0.044765333	372.6564455
19	H17	23033	CG14869	14.59402667	0.050524667	288.8495388
19	H18	31145	CG15323	14.77039	0.044017	335.5610332
19	H19	23040	CG9461	12.51878667	0.039321667	318.3686687
19	H20	31158	CG14410	16.97953	0.043471333	390.5914242
19	H21	23031	CG9541	15.12294333	0.048154667	314.0493825
19	H22	31153	CG14814	8.655902667	0.046582667	185.8181012
19	H23	23039	CG9400	17.93052333	0.038500667	465.7198144
19	H24	31159	CG12660	18.38752	0.040406	455.0690492
19	I01	29164	CG18778	18.07873	0.066625667	271.3478289
19	I02	27072	CG8823	15.76047333	0.052345667	301.0845852
19	I03	29163	CG18746	15.62856	0.059938667	260.7425368
19	I04	27073	CG8873	17.76263667	0.062272333	285.2412254
19	I05	29165	CG18810	15.31137667	0.056740667	269.8483745
19	I06	27071	CG8070,CG8781	8.791577333	0.075024333	117.1830117
19	I07	29158	CG2211	14.69647667	0.057956	253.5798997
19	I08	27075	CG8957	14.86495667	0.053303667	278.8730606
19	I09	29124	CG2665	14.99836667	0.057940667	258.8573368
19	I10	27022	CG9172	15.32992667	0.055964667	273.9215219
19	I11	29174	CG18681	16.24068667	0.050328667	322.6925675
19	I12	27068	CG9107	9.682244	0.065413667	148.0156135
19	I13	18628	CG6417	14.91868333	0.051947333	287.1886269
19	I14	27074	CG8925	12.74306667	0.046651333	273.1554654
19	I15	18657	CG6321	13.86539667	0.055834667	248.3295324
19	I16	27067	CG14290	16.44638667	0.048991667	335.6976357
19	I17	18661	CG6342	15.06926	0.046969	320.8341672
19	I18	16501	CG11952	13.47264667	0.047313667	284.7516926
19	I19	18662	CG6364	12.289009	0.051529333	238.4856975
19	I20	16495	CG11679	9.089513	0.042344667	214.6554387
19	I21	18688	CG6440	15.41469	0.054384	283.4416372
19	I22	16500	CG11909	16.02957333	0.051053333	313.9770175
19	I23	18663	CG6401	16.49783333	0.047455	347.6521617

19	I24	16479	CG11611	13.21308333	0.042612333	310.0765037
19	J01	16482	CG12833	13.5275	0.059634	226.84207
19	J02	21408	CG16952	13.86496333	0.060357667	229.7133753
19	J03	16513	CG11966	12.91146	0.059642	216.48268
19	J04	21397	CG16991	14.85332667	0.055027	269.9279748
19	J05	16502	CG11994	12.85911967	0.058151333	221.1319832
19	J06	21448	CG17279,CG3671	12.33612	0.054709333	225.4847436
19	J07	23048	CG6219	18.19881667	0.062443	291.4468662
19	J08	21406	CG15435	13.89312333	0.053157333	261.3585457
19	J09	23041	CG6041	13.6797	0.058477	233.9329993
19	J10	21427	CG17446	9.258082	0.070327333	131.6427278
19	J11	23050	CG9364	14.22233	0.051204667	277.7545666
19	J12	31162	CG14444	16.09144667	0.057853333	278.1420834
19	J13	23046	CG6157	12.97516333	0.051493	251.9791687
19	J14	31178	CG15048,CG6481	13.69301667	0.047333	289.2911218
19	J15	23047	CG6199	13.65290667	0.057403667	237.8403238
19	J16	31172	CG12685	11.87324333	0.050101667	236.9830012
19	J17	23030	CG9527	15.58289667	0.051129333	304.7741023
19	J18	31173	CG12701	16.16941667	0.048438667	333.8121748
19	J19	23052	CG9471	16.95394	0.049444667	342.8871331
19	J20	31170	CG14427	15.14013333	0.049563667	305.4683875
19	J21	23044	CG31150	13.02283333	0.04521	288.0520534
19	J22	31176	CG14788	13.96099	0.04824	289.4069237
19	J23	23051	CG9411	14.71626667	0.045123333	326.1342986
19	J24	31171	CG12664	14.46881333	0.041325	350.1225247
19	K02	27084	CG8834	16.22835333	0.059603	272.2741025
19	K03	29175	CG18747	11.37233667	0.054913333	207.0960908
19	K04	27102	CG9084	12.84844667	0.064501	199.1976352
19	K05	29177	CG18811	11.08794567	0.059668667	185.8252628
19	K06	27083	CG8785	13.38181667	0.051103333	261.8580001
19	K07	29170	CG2241	12.91723	0.060161667	214.7086461
19	K08	27094	CG9215	13.74309333	0.051736	265.6388846
19	K09	29136	CG2682	14.65125	0.060027667	244.0749543
19	K1	29176	CG1878	11.430645	0.061049333	187.236197
19	K10	27062	CG8916	13.80419	0.052788	261.5024248
19	K11	29167	CG1963	1.965377667	0.045906667	42.81246733
19	K12	27080	CG9109	10.61473033	0.052636667	201.6603825
19	K13	18640	CG6420	12.85904	0.044077667	291.7359509
19	K14	27081	CG9151	12.38274333	0.057667	214.728412
19	K15	18669	CG6323	14.13076667	0.048187333	293.2464963
19	K16	27079	CG14299	13.2543	0.054128667	244.8665525
19	K17	18673	CG6343	10.755082	0.054223667	198.3466383
19	K18	16463	CG11847	13.29507333	0.053425	248.8549056
19	K19	18674	CG6375	7.155091333	0.058899333	121.4800054
19	K20	16507	CG30272	12.602797	0.047782667	263.7524835
19	K21	18700	CG6443	11.36448	0.049721333	228.5634604
19	K22	16512	CG11910	13.64964667	0.046318333	294.6920946
19	K23	18675	CG6409	13.58008333	0.045776	296.6638268
19	K24	16510	CG11838	12.4005	0.046919333	264.2940366
19	L01	16445	CG12770	13.69884333	0.140901667	97.22272034
19	L02	21420	CG16953	15.90880667	0.058839	270.3786038
19	L03	16492	CG12717	11.615028	0.060408333	192.27526
19	L04	21425	CG15312,CG32693	14.21979333	0.062670667	226.897113
19	L05	16514	CG12010	11.37213233	0.058365667	194.8428414

19	L06	21434	CG17147	10.45048267	0.057947	180.3455341
19	L07	23060	CG6222	9.510142333	0.055757333	170.5630769
19	L08	21428	CG17600	14.55193333	0.062138667	234.1848339
19	L09	23053	CG6049	10.83265667	0.063748	169.9293573
19	L10	21411	CG17211	12.97536333	0.054392333	238.5513277
19	L11	23062	CG32145	13.87416	0.050338	275.6200087
19	L12	31174	CG12543	11.86738733	0.048352667	245.4339781
19	L13	23025	CG6236	11.43492	0.057793	197.8599484
19	L14	31190	CG15049	10.869146	0.046014	236.2138914
19	L15	23073	CG9354	1.521878	0.042794667	35.56232864
19	L16	31184	CG12689	12.38669	0.048256667	256.683498
19	L17	23057	CG6122	12.96764667	0.048135	269.4016135
19	L18	31185	CG12703	14.75935667	0.049455	298.4401308
19	L19	23064	CG9473	9.615137667	0.044326333	216.9170546
19	L20	31180	CG15312	13.83256	0.043231333	319.966074
19	L21	23055	CG9547	14.45338667	0.0497	290.812609
19	L22	31177	CG14818	9.694410667	0.049215	196.9808121
19	L23	23056	CG9629,CG9666	13.35451333	0.048473333	275.5022693
19	L24	31191	CG15224	11.31386733	0.048254333	234.4632399
19	M01	29188	CG18780	15.77543333	0.060220667	261.9604565
19	M02	27096	CG8837	13.47218667	0.063976	210.5818849
19	M03	29187	CG18748	13.06067667	0.055917333	233.5711646
19	M04	27097	CG8891	12.82727	0.060953	210.4452611
19	M05	29189	CG18812	11.10667333	0.052339	212.206449
19	M06	27095	CG8795	13.04216	0.051624	252.6375329
19	M07	29182	CG2291	13.60799333	0.056693333	240.0281044
19	M08	27099	CG8962	15.8892	0.054809667	289.8977674
19	M09	29204	CG2127	15.48562	0.056145667	275.8114903
19	M10	27046	CG9194	12.00215333	0.049511	242.4138744
19	M11	29198	CG18731	15.11623333	0.051842667	291.5790083
19	M12	27092	CG9114	15.68017667	0.051755333	302.9673592
19	M13	18652	CG6422	13.09835333	0.047300667	276.9168863
19	M14	27086	CG8930	13.29329333	0.053798	247.0964224
19	M15	18681	CG6327	12.76974	0.049339667	258.8128551
19	M16	27110	CG8942	14.21721333	0.040906667	347.5524772
19	M17	18685	CG6347	17.06795667	0.045335667	376.4796665
19	M18	16527	CG11638	14.42990333	0.047588667	303.2214253
19	M19	18686	CG31072	12.31668	0.043558	282.7650489
19	M20	16519	CG11703	11.62649	0.047846667	242.994775
19	M21	18699	CG6413	4.255091	0.042197333	100.8379123
19	M22	16524	CG11911	15.87526667	0.047674667	332.9916657
19	M23	18687	CG6412	14.32513333	0.043515	329.1998928
19	M24	16522	CG11841	15.55231333	0.048652667	319.6600392
19	N01	16457	CG12772	17.27586333	0.073302667	235.678511
19	N02	21441	CG15415	8.864254	0.068501	129.4032788
19	N03	16504	CG12743	13.80558	0.066752667	206.8169062
19	N04	21437	CG15329	12.98428667	0.05746	225.9708783
19	N05	16526	CG12014	11.01555533	0.053109667	207.4114945
19	N06	21403	CG17383	11.63249	0.055788333	208.5111582
19	N07	23072	CG6226	11.68324567	0.064214667	181.9404549
19	N08	21430	CG15438	12.86880333	0.054881	234.485584
19	N09	23065	CG6057	16.47184	0.055653667	295.9704362
19	N10	21451	CG17472	8.584183667	0.039950667	214.8695975
19	N11	23074	CG9377	13.06146333	0.051783333	252.2329578

19	N12	31169	CG15330	16.04550667	0.053888333	297.7547397
19	N13	23070	CG6170	13.43732	0.057059	235.4986943
19	N14	31202	CG15060	12.60797333	0.046812333	269.3301623
19	N15	23071	CG6202	14.78195	0.054843667	269.5288426
19	N16	31201	CG15034	14.47535	0.04609	314.0670427
19	N17	23054	CG9531	14.15014667	0.051891667	272.6863016
19	N18	31197	CG15641	13.01013	0.047084	276.3174327
19	N19	23020	CG9609	13.71744	0.046137333	297.3175736
19	N20	31192	CG15314	12.52696667	0.043054	290.9594153
19	N21	23085	CG9356	14.36945667	0.044919	319.897074
19	N22	31200	CG14794	13.01957333	0.036632	355.4153017
19	N23	23075	CG9414	15.4186	0.042582	362.0919637
19	N24	31203	CG32674	15.68460667	0.043507667	360.5021337
19	O01	29200	CG18783	13.54677333	0.061952	218.6656336
19	O02	27108	CG8841	11.62491333	0.061549333	188.8714744
19	O03	29199	CG18754	10.92779967	0.072067667	151.6324889
19	O04	27109	CG8892	12.70607333	0.062085333	204.654991
19	O05	29201	CG18814	12.73788667	0.055460667	229.6742436
19	O06	27050	CG8915	12.83541	0.065832667	194.9702275
19	O07	29194	CG2342	12.47408333	0.058254	214.132649
19	O08	27111	CG8963	9.801870333	0.061605667	159.1066352
19	O09	29160	CG2816	12.81051667	0.062310667	205.5910705
19	O10	27112	CG9006	12.10069333	0.060749667	199.1894606
19	O11	29203	CG1976	13.6793	0.057373667	238.4247128
19	O12	27104	CG9117	12.43139233	0.059748333	208.0625792
19	O13	18664	CG6424	14.59028333	0.06029	242.0017139
19	O14	27105	CG9164	14.73486333	0.052673667	279.7387056
19	O15	18693	CG6330	14.41966	0.057963333	248.7720973
19	O16	27103	CG8719	11.66568333	0.045992333	253.6440856
19	O17	18697	CG6349	10.321156	0.06068	170.0915623
19	O18	16487	CG11854	13.26943	0.051320333	258.5608693
19	O19	18698	CG6391	13.66515333	0.048022	284.560271
19	O20	16536	CG11912	12.88869333	0.047176	273.2044542
19	O21		wts	66.65217667	0.040939	1628.085119
19	O22		HFA17794	1.530998	0.017509333	87.43896588
19	O23		hpo	44.51357333	0.048175667	923.9845842
19	O24		Luc	2.667993	0.050631	52.69485098
19	P01	16537	CG11979	6.044833333	0.05211	116.0014073
19	P02	21444	CG16972	12.79814333	0.060226667	212.4996126
19	P03	16516	CG12763	12.60691	0.071565333	176.1594534
19	P04	21429	CG2991,CG31694	10.27271633	0.064308	159.7424323
19	P05	16538	CG12016	14.22807667	0.069264667	205.4160852
19	P06	21447	CG17233	12.85568667	0.071620667	179.4968864
19	P07	23084	CG6227	8.752861333	0.071690333	122.0926299
19	P08	21442	CG15442,CG33002	1.307640333	0.051711667	25.28714346
19	P09	23077	CG6070	13.86323	0.064631333	214.4970448
19	P10	21455	CG16914	11.05498667	0.069312	159.4959988
19	P11	23086	CG9381	14.17607667	0.063719	222.4780155
19	P12	31181	CG15332	12.52051	0.059191333	211.526068
19	P13	23049	CG32211	4.120144333	0.053675333	76.76047967
19	P14	31214	CG12611	14.55406333	0.056982667	255.4121136
19	P15	23083	CG6207	14.57215	0.053902667	270.3419126
19	P16	31210	CG12564	11.99442333	0.057551667	208.4113985
19	P17	23081	CG33047	14.52846333	0.056995333	254.9061912

19	P18	31211	CG11663	12.89221	0.055539	232.1289544
19	P19	23088	CG9495	11.89156333	0.047645333	249.585059
19	P20	31216	CG32694	12.45113	0.046104667	270.0622497
19	P21		wts	52.58369	0.040072333	1312.21932
19	P22		HFA17794	1.174643333	0.017736667	66.22683706
19	P23		hpo	37.27642667	0.041754333	892.7558816
19	P24		Luc	1.861638	0.05252	35.44626809
20	A01		DIAP1	0.491054	0.021946667	22.37487849
20	A02		ex/ft	36.43579333	0.066656667	546.6188928
20	A03		Luc	1.757565667	0.067298	26.11616492
20	A04		hpo	30.43997	0.065000333	468.3048292
20	A05	21656	CG8607	9.408087333	0.050107333	187.7586913
20	A06	21078	CG7106	9.250696	0.057328667	161.362483
20	A07	21661	CG15003	10.640425	0.052247	203.6561908
20	A08	21100	CG7079	11.59790667	0.06263	185.1813295
20	A09	21662	CG15042	10.44775633	0.054997	189.969568
20	A10	26929	CG11853	7.806238667	0.053118667	146.9584829
20	A11	21077	CG18593	9.981442	0.055494667	179.8630859
20	A12	26932	CG11986	10.12442967	0.055489	182.4583191
20	A13	21082	CG6879	10.068879	0.059017667	170.6078801
20	A14	26934	CG12759	7.09685	0.053007	133.8851472
20	A15	21083	CG6914	9.934252	0.051335333	193.51685
20	A16	26928	CG11819	9.464069333	0.052777	179.3218511
20	A17	21087	CG7041	9.055012	0.056137667	161.3001134
20	A18	26930	CG11906	8.617591333	0.051239333	168.1831275
20	A19	21081	CG18657	9.572457	0.054321667	176.2180284
20	A20	26931	CG11961	10.01436133	0.050717	197.4557118
20	A21	21088	CG7072	8.977563333	0.051126	175.5968261
20	A22	26924	CG12908	9.058475667	0.049582667	182.6944026
20	A23	21098	CG7005	5.660022333	0.049683	113.9227167
20	A24	26933	CG12030	11.23228667	0.050250667	223.5251274
20	B01		DIAP1	0.530879333	0.022189667	23.92461957
20	B02		ex/ft	38.34640667	0.062568	612.8756979
20	B03		Luc	1.871401	0.067361	27.78166892
20	B04		hpo	28.81593667	0.055544667	518.7885426
20	B05	27010	CG14062	9.833900333	0.066916667	146.9574147
20	B06	20895	CG17142	9.570435	0.062251	153.739458
20	B07	20986	CG17657	12.05839333	0.057833667	208.5012766
20	B08	20897	CG31860	10.184346	0.064836	157.0785675
20	B09	20993	CG18292	11.29692267	0.060114333	187.9239449
20	B10	20896	CG17187	8.747163667	0.061108667	143.1411311
20	B11	20985	CG18516	9.913238	0.059757333	165.8915726
20	B12	20898	CG17282	9.608552667	0.057793667	166.2561526
20	B13	20987	CG17716	9.986189	0.057854	172.6101739
20	B14	20973	CG17592	9.659233333	0.052365	184.4597218
20	B15	20990	CG32799	10.73338667	0.056173333	191.0761927
20	B16	26160	CG31323	9.049651333	0.050144	180.4732637
20	B17	20992	CG18208	11.336217	0.056400333	200.9955674
20	B18	26155	CG14526	10.92125933	0.052094333	209.6439024
20	B19	20891	CG16954	11.36195	0.053023667	214.28073
20	B20	26161	CG14568	7.478872333	0.064893667	115.2481084
20	B21	20893	CG17031	10.52273	0.053569	196.4331983
20	B22	NA	NA	11.126589	0.047899	232.2927201
20	B23	20887	CG16898	9.976346333	0.050186333	198.7861171

20	B24	24817	CG11086	11.68386667	0.051903333	225.108214
20	C01	21669	CG8644	10.846236	0.053802	201.5954054
20	C02	21079	CG7147	10.582602	0.052596667	201.2029026
20	C03	21672	CG14973	9.323230667	0.053983	172.7067904
20	C04	21080	CG7183	11.31671267	0.052983667	213.5887034
20	C05	21687	CG15084	8.372028333	0.041375333	202.3434655
20	C06	21090	CG32356	13.31780033	0.053337	249.69159
20	C07	21673	CG15022	12.79712333	0.049106667	260.5984931
20	C08	21112	CG7083	14.77093667	0.053581333	275.6731822
20	C09	21667	CG10385,CG31751	13.4361	0.051606333	260.3575789
20	C10	26941	CG11857	10.60205567	0.054274333	195.3419787
20	C11	21089	CG18596	12.86431	0.056651667	227.077344
20	C12	26944	CG11990	7.488032667	0.045532333	164.4552809
20	C13	21094	CG32540	14.57534333	0.051469667	283.1831694
20	C14	26946	CG12773	12.56565667	0.052094333	241.2096645
20	C15	21095	CG6915	14.48936667	0.05135	282.1687764
20	C16	26940	CG11820	11.84559333	0.049425667	239.6648165
20	C17	21156	CG6969	14.33420333	0.049637	288.7806139
20	C18	26942	CG11907	13.31097	0.049949667	266.4876642
20	C19	21093	CG18672	14.94191667	0.045604	327.6448703
20	C20	26943	CG11963	13.25519667	0.050391333	263.0451665
20	C21	21085	CG6978	13.61346667	0.049769	273.5330561
20	C22	26936	CG12935	13.08448	0.048987667	267.0974327
20	C23	21110	CG7009	13.91201	0.049921	278.6805152
20	C24	26945	CG12031	4.68413	0.035980333	130.1858423
20	D01	26925	CG30038,CG8981	13.54497433	0.055438333	244.3250639
20	D02	20900	CG17359	9.691465667	0.053697	180.4843039
20	D03	26926	CG13852	28.43764	0.054137333	525.2870478
20	D04	20901	CG17453	11.81591	0.056124667	210.5297136
20	D05	20994	CG17599	9.512026667	0.057661	164.9646497
20	D06	20907	CG16940,CG17143	12.863438	0.063378667	202.961638
20	D07	20998	CG17161	9.671869333	0.061883667	156.2911484
20	D08	20909	CG17219	9.294044333	0.047975667	193.724131
20	D09	21005	CG18296	11.93318067	0.058556667	203.7885922
20	D10	20908	CG17190	10.10079833	0.054155333	186.5153017
20	D11	20997	CG18519	12.16649667	0.049457	246.0015097
20	D12	20910	CG17283	11.39327667	0.061318667	185.8043771
20	D13	20999	CG17735	13.02983333	0.043534	299.3024609
20	D14	26175	CG14627	10.701114	0.046796333	228.6741981
20	D15	20988	CG17803	10.73895567	0.046255333	232.1668636
20	D16	26172	CG14559	11.29111	0.045131333	250.1833907
20	D17	21056	CG18480	12.51315333	0.059403	210.6485082
20	D18	26167	CG14527	12.5531	0.051049667	245.8997447
20	D19	20963	CG17024	12.68009	0.046828333	270.7781614
20	D20	26173	CG14569	11.90421	0.044301333	268.7099711
20	D21	20905	CG17036	12.74293	0.052013	244.9950974
20	D22	26157	CG14754	11.24644333	0.045544333	246.9339764
20	D23	20899	CG16899	13.26932667	0.047999333	276.4481451
20	D24	24813	CG11035	17.78927667	0.050091333	355.1368167
20	E01	21681	CG8660	21.05315	0.062649	336.0492586
20	E02	21091	CG32447	17.88373667	0.059188	302.1513933
20	E03	21670	CG14916	13.60599	0.056969	238.8314697
20	E04	21092	CG7189	15.23435333	0.052398667	290.7393318
20	E05	21695	CG14956	14.24134	0.057907333	245.9332727

20	E06	21102	CG31235	14.80497	0.050278667	294.4582858
20	E07	21677	CG15127	14.75934	0.056743333	260.1070317
20	E08	21172	CG7099	16.45776667	0.058186333	282.8459146
20	E09	21679	CG15167	14.13062667	0.044193	319.7480747
20	E10	26953	CG11864	15.69064333	0.054941667	285.5873199
20	E11	21101	CG1128	14.74973	0.058908333	250.3844391
20	E12	26956	CG11999	14.61348667	0.056382333	259.1855605
20	E13	21106	CG6885	18.65892333	0.061851333	301.6737446
20	E14	26958	CG12782	15.96122	0.048863667	326.6480207
20	E15	21107	CG6920	17.26488	0.052699333	327.6109755
20	E16	26952	CG11836	16.64759333	0.046591667	357.3083885
20	E17	21111	CG7047	17.42729333	0.048528	359.1183097
20	E18	27007	CG11723	14.92573333	0.046934333	318.0131105
20	E19	21105	CG18673	15.74410667	0.046970667	335.1901896
20	E20	26955	CG11967	16.97104	0.052547667	322.9646733
20	E21	21097	CG6989	16.75826667	0.046826	357.8837968
20	E22	26948	CG30020	13.09885333	0.055792333	234.778733
20	E23	21122	CG32346	23.85739333	0.050508667	472.3425683
20	E24	27017	CG12753	15.22674	0.043929333	346.6189638
20	F01	26937	CG13185	8.483552	0.064374	131.7853792
20	F02	20912	CG17380	14.12411667	0.062763667	225.0365126
20	F03	27009	CG13850	16.19818333	0.061818667	262.0273812
20	F04	20913	CG17461	15.66381333	0.058450667	267.9834846
20	F05	21006	CG17611	7.412419	0.059707333	124.1458726
20	F06	20919	CG17145	13.19650333	0.058240667	226.585719
20	F07	21007	CG18363	13.03282	0.052655667	247.5103028
20	F08	20921	CG17227	11.03387	0.053162667	207.54922
20	F09	21017	CG18301	13.16498	0.056237	234.0981916
20	F10	20920	CG17195	13.54811667	0.053576333	252.8750257
20	F11	21009	CG18547	12.14552667	0.057366667	211.7174898
20	F12	20922	CG17287	12.92703	0.057068667	226.5171197
20	F13	21003	CG18146,CG8930	15.35084	0.055227	277.9589693
20	F14	26186	CG14598	13.85106667	0.051654	268.1509015
20	F15	21014	CG18088	15.68992667	0.049568	316.5333818
20	F16	26184	CG14561,CG7485	13.52869333	0.049337333	274.2080372
20	F17	20892	CG17003	13.51551333	0.05662	238.7056399
20	F18	26179	CG14528	13.16456333	0.045759	287.6934228
20	F19	20915	CG16959	13.35449333	0.04767	280.1446053
20	F20	26185	CG14570	13.93164333	0.049325	282.4458861
20	F21	20917	CG17045	14.26886333	0.044979667	317.2291924
20	F22	26204	CG14735	12.86141333	0.042875667	299.9699907
20	F23	20911	CG16902	21.30428333	0.049987333	426.1936357
20	F24	24825	CG10478	14.52592667	0.041933	346.4080001
20	G01	21688	CG8592	17.69043333	0.053932333	328.0116442
20	G02	21103	CG7166	14.91472	0.054200667	275.1759511
20	G03	21714	CG15155	16.21969	0.05667	286.2129875
20	G04	21104	CG33214	14.02354667	0.054448	257.5585268
20	G05	21692	CG8616	12.91100333	0.049699667	259.7804814
20	G06	21114	CG7120	14.92227333	0.059373333	251.3295531
20	G07	21707	CG14957,CG32284	14.72356667	0.05185	283.9646416
20	G08	21136	CG7091	14.27720333	0.051365333	277.9540676
20	G09	21731	CG14961	15.64199	0.053734	291.1004206
20	G10	26965	CG11875	14.81375667	0.048365333	306.288733
20	G11	21113	CG18627	17.08099333	0.057648667	296.2946816

20	G12	26968	CG12000	1.493313	0.036851333	40.52263147
20	G13	21118	CG6892	14.11697	0.068738	205.3735925
20	G14	26970	CG12783	13.88482	0.049547	280.2353321
20	G15	21119	CG6930	16.02746	0.059051	271.4172495
20	G16	26964	CG11837	9.69371	0.052426333	184.9015444
20	G17	21123	CG7049	14.58851333	0.051312	284.309973
20	G18	26966	CG11920	11.46097667	0.052595667	217.907242
20	G19	21168	CG6974	16.15505	0.046064667	350.7037209
20	G20	26967	CG11968	12.44524333	0.039542	314.7347968
20	G21	21109	CG17141,CG6990	14.48462	0.042871333	337.8625966
20	G22	26947	CG11695	14.08272333	0.045271667	311.0714575
20	G23	21134	CG7023	15.89514333	0.043952333	361.6450397
20	G24	26969	CG12036	14.51606333	0.048474667	299.4566922
20	H01	26996	CG13126	18.05118333	0.059338	304.2095004
20	H02	20949	CG30486	12.63858333	0.065012333	194.4028569
20	H03	26950	CG13886	13.97565	0.062452	223.7822648
20	H04	20902	CG17524	14.37525	0.054810333	262.272625
20	H05	21018	CG17633	13.9815	0.060943667	229.4167838
20	H06	20931	CG17148,CG5632	13.73929667	0.058389	235.3062506
20	H07	21022	CG17680	14.87878	0.053996667	275.5499722
20	H08	20933	CG17240	13.51329333	0.052767	256.0936444
20	H09	21029	CG18302	15.41031	0.051782	297.5997451
20	H10	20932	CG17197	15.65471333	0.060263667	259.7703426
20	H11	21021	CG18553	16.42835667	0.04894	335.6836262
20	H12	20934	CG17301	14.59824	0.052956333	275.6656113
20	H13	21015	CG18155	15.28658	0.057126	267.5940903
20	H14	26158	CG14795	15.13410667	0.052128333	290.3240081
20	H15	21026	CG18095	14.34999	0.046279333	310.0733949
20	H16	26196	CG14563,CG7145	13.94616667	0.050251333	277.5282911
20	H17	20904	CG17010	13.23832667	0.048049333	275.5153037
20	H18	26200	CG14654	13.70824667	0.044478667	308.1982374
20	H19	20927	CG16963	14.47310667	0.046899667	308.5972182
20	H20	26202	CG31374	13.33351333	0.047686667	279.6067384
20	H21	20929	CG17061	13.94059	0.043439667	320.9184386
20	H22	26201	CG14671	15.58767667	0.045181	345.0051275
20	H23	20923	CG16908	13.74169	0.057619667	238.4895782
20	H24	24837	CG31911	16.25949333	0.043012667	378.0163983
20	I01	21700	CG8597,CG8598	15.47447333	0.064192667	241.0629459
20	I02	21115	CG7168	13.82881667	0.06272	220.4849596
20	I03	21708	CG33157	15.51208667	0.058539333	264.9857076
20	I04	21116	CG7197	11.70365333	0.061565333	190.1013557
20	I05	21704	CG12505,CG8617	12.39352667	0.060139333	206.0802137
20	I06	21126	CG7133	13.87018	0.059810667	231.9014446
20	I07	21701	CG31781,CG32832	13.133	0.064033	205.0973717
20	I08	21163	CG7182	10.05042433	0.062462333	160.9037607
20	I09	21703	CG15170	14.98901333	0.056391667	265.8019211
20	I10	26977	CG11880	11.22365333	0.061593667	182.2208993
20	I11	21125	CG18630	13.76687	0.064301333	214.0992929
20	I12	26980	CG12004	13.37266	0.055269333	241.9544292
20	I13	21130	CG6893	13.40144	0.062493667	214.4447704
20	I14	26982	CG12795	11.38319133	0.056745	200.6025435
20	I15	21131	CG6933	12.66596	0.057906	218.7331192
20	I16	26976	CG11842	13.96359	0.054473333	256.3380859
20	I17	21135	CG7053	13.34615	0.058200667	229.3126654

20	I18	26978	CG11926	15.00325333	0.058843667	254.9680226
20	I19	21129	CG6865	12.72795833	0.052748667	241.2944087
20	I20	26979	CG11971	14.61230667	0.049019333	298.0927253
20	I21	21121	CG6992	12.63192333	0.048245667	261.8250344
20	I22	26959	CG11696	14.23682667	0.048685333	292.4253711
20	I23	21146	CG7025	13.93678333	0.043530333	320.1625686
20	I24	26981	CG32599	12.54533	0.047517667	264.0140158
20	J01	26961	CG13280	12.72214667	0.068437	185.8957387
20	J02	20936	CG17390	10.667663	0.070540667	151.2271361
20	J03	26962	CG13890	11.76465333	0.054340667	216.4981414
20	J04	20914	CG17530	10.50995033	0.054326	193.46078
20	J05	21030	CG17639	11.50883333	0.063040667	182.5620499
20	J06	20942	CG17149	14.98413333	0.066551	225.1526398
20	J07	21034	CG30417	11.91045733	0.058363	204.0754816
20	J08	20944	CG17245	11.65080333	0.067202667	173.3681699
20	J09	21041	CG18324	11.79022333	0.054497333	216.3449588
20	J10	20943	CG17198	12.27415667	0.057810333	212.3176941
20	J11	21033	CG18555	13.09776	0.055799667	234.7282839
20	J12	20945	CG17319	10.806879	0.05511	196.0965161
20	J13	21035	CG17795	13.42108333	0.057168	234.7656614
20	J14	26211	CG14634	12.33822	0.054716	225.4956503
20	J15	21038	CG18096	15.51188333	0.051454	301.4708931
20	J16	26208	CG14564	13.32725	0.054666333	243.7926451
20	J17	20916	CG17011	13.17526333	0.055468667	237.526231
20	J18	26212	CG14656	11.70332	0.049543333	236.2239117
20	J19	20938	CG16965	13.28829667	0.0509	261.0667322
20	J20	26214	CG14707	10.48468667	0.047664667	219.967691
20	J21	20940	CG17063	11.61854667	0.044894333	258.7976211
20	J22	26213	CG14676	11.72365333	0.045820667	255.8595103
20	J23	20975	CG17030	10.94931667	0.044170667	247.8866065
20	J24	24849	CG11053	13.06163667	0.047398	275.5735826
20	K02	21127	CG7169	7.049554333	0.069831667	100.9506814
20	K03	21720	CG32255,CG33157	13.01167667	0.051832667	251.0323605
20	K04	21128	CG7204	12.83502	0.060674	211.5406929
20	K05	21716	CG8620	14.31719333	0.059975	238.7193553
20	K06	21138	CG7137	10.32728167	0.053483	193.0946594
20	K07	21713	CG33179	12.40816333	0.066932	185.3846192
20	K08	26927	CG11737	11.58749867	0.054911667	211.020706
20	K09	21722	CG15048,CG6335,CG6481	13.87052333	0.059651667	232.5253276
20	K1	21717	CG8669	12.027768	0.062963	191.0291441
20	K10	26989	CG11886	11.75628933	0.055172	213.0843423
20	K11	21137	CG31121	13.45076333	0.055301667	243.2252795
20	K12	26992	CG12006	13.32304	0.054951667	242.4501532
20	K13	21142	CG32540	15.50261333	0.057786	268.2762838
20	K14	26994	CG12847	12.61381	0.057224333	220.4273823
20	K15	21108	CG32770	13.46801333	0.059275333	227.211094
20	K16	26988	CG11844	11.41295333	0.052021	219.3912715
20	K17	21147	CG7059	15.08465333	0.053471333	282.1072974
20	K18	26990	CG33096	11.218924	0.051418333	218.1891803
20	K19	21141	CG6866	14.50044333	0.054086667	268.0964501
20	K20	26987	CG11784	11.702673	0.047545	246.138879
20	K21	21169	CG7000	12.28608	0.047855667	256.7319788
20	K22	26971	CG11710	11.54517333	0.047667333	242.2030461
20	K23	21158	CG7033	9.484227333	0.066813	141.9518257

20	K24	26993	CG12050	7.607099	0.056556	134.5056051
20	L01	26973	CG13295	14.91381333	0.062109	240.1232242
20	L02	20947	CG10042	11.94704667	0.084075	142.0998711
20	L03	26960	CG12992	12.77444333	0.063388333	201.5267268
20	L04	20948	CG17475	11.71704667	0.058173667	201.4149587
20	L05	20983	CG18341	11.78132667	0.058882333	200.0825375
20	L06	20954	CG17152	13.99095333	0.056472667	247.7473468
20	L07	21046	CG17697	11.384792	0.063397	179.5793492
20	L08	20956	CG17255	10.500089	0.068217333	153.9211295
20	L09	21001	CG31039	12.48887733	0.063690667	196.0864596
20	L10	20955	CG17199	11.60377667	0.055058333	210.7542304
20	L11	21037	CG30495	13.42197	0.055394	242.3000686
20	L12	20957	CG17329	11.77385	0.054181667	217.3032083
20	L13	21047	CG17799	12.37422667	0.056307333	219.7622571
20	L14	26223	CG14635	9.437751667	0.053724	175.6710533
20	L15	21036	CG17907	11.61764267	0.051615333	225.0812291
20	L16	26220	CG14565	11.30710333	0.054296333	208.2480094
20	L17	20928	CG17012	11.51024	0.049943	230.467533
20	L18	26215	CG14532	11.35793333	0.052501667	216.3347195
20	L19	20950	CG32149	7.374355667	0.047209667	156.2043579
20	L20	26221	CG14573	11.34419567	0.046446	244.2448363
20	L21	20952	CG17068	13.80130667	0.051387667	268.5723552
20	L22	26205	CG14774	11.34116667	0.049332	229.8947269
20	L23	20946	CG16922	13.82023	0.049671	278.2353889
20	L24	24885	CG11077	12.55342667	0.053294	235.5504685
20	M01	21690	CG15149,CG31740	12.76117	0.070635667	180.6618469
20	M02	21139	CG7171	12.27435667	0.053293667	230.3154846
20	M03	21718	CG14931	10.84388333	0.051101333	212.2035302
20	M04	21140	CG7211	13.08083333	0.054849	238.4880915
20	M05	21728	CG32386,CG32390	11.35639	0.055808	203.4903598
20	M06	21150	CG7140	12.63275	0.053395	236.5905047
20	M07	21725	CG15136	12.88801	0.053560333	240.626023
20	M08	26963	CG11778	12.84108667	0.063221	203.1142606
20	M09	21084	CG31159	14.23171	0.056985667	249.7419234
20	M10	27001	CG11899	12.51452	0.051481333	243.0884981
20	M11	21149	CG18641	11.13554	0.062914	176.9962171
20	M12	27004	CG12013	12.76474667	0.056607667	225.4950154
20	M13	21154	CG6898	13.03393333	0.052761333	247.035708
20	M14	27006	CG12869	12.40019	0.052071667	238.1369907
20	M15	21155	CG6939	14.11420667	0.055588333	253.9059155
20	M16	26975	CG11780	12.66082333	0.04395	288.0733409
20	M17	21159	CG7060	11.72946	0.050959667	230.1714428
20	M18	27002	CG31445	11.90114	0.046449333	256.2176709
20	M19	21153	CG6868	12.02842	0.048187333	249.6178802
20	M20	27003	CG11980	11.90842	0.050359667	236.4674111
20	M21	21145	CG6995	9.020268	0.066235667	136.1844525
20	M22	26983	CG11711,CG33047	11.3655	0.049616667	229.066174
20	M23	21170	CG7036	7.580979667	0.052468333	144.4867634
20	M24	27005	CG12734	12.37830667	0.046154	268.1957505
20	N01	26985	CG13848	13.77482333	0.06169	223.291025
20	N02	20959	CG31624	9.775751	0.059026333	165.6167756
20	N03	26972	CG13091	14.74040667	0.065571	224.8006995
20	N04	20937	CG17568	11.14808967	0.054966	202.8179177
20	N05	21054	CG17652	11.20354333	0.056893	196.9230544

20	N06	20966	CG17166	12.56272367	0.064341667	195.2502059
20	N07	21058	CG31937	12.19376667	0.055313667	220.447629
20	N08	20968	CG31194	12.05124667	0.055352333	217.7188556
20	N09	21013	CG17970	11.51294	0.052655	218.6485614
20	N10	20967	CG17200	12.3662	0.052349333	236.2245938
20	N11	21057	CG18563	12.07218367	0.060638667	199.0839233
20	N12	20953	CG17131	12.63347667	0.056115	225.1354659
20	N13	21059	CG17801	12.239	0.058210333	210.2547658
20	N14	26234	CG14615	12.57276333	0.049936	251.7775419
20	N15	21062	CG18132	12.41003333	0.045627667	271.9848338
20	N16	26207	CG14551	12.59940667	0.04882	258.0787928
20	N17	20918	CG31871	10.68066	0.050465	211.6449024
20	N18	26231	CG14556	11.32411667	0.051546	219.689533
20	N19	20962	CG16992	11.45113667	0.048913667	234.1091447
20	N20	26218	CG14824	11.17492667	0.048354667	231.1033751
20	N21	20930	CG17109	13.39383333	0.047265	283.3774111
20	N22	26242	CG14827	11.07411	0.047665667	232.32886
20	N23	20941	CG17122,CG32227	13.63825333	0.048961333	278.55151
20	N24	24897	CG11079	11.41198	0.046190667	247.0624657
20	O01	21741	CG8671,CG8674	11.83539333	0.062392333	189.6930713
20	O02	21151	CG7179	11.69250333	0.071354	163.8661229
20	O03	21744	CG15001	11.94790333	0.057425333	208.0597994
20	O04	21160	CG7098	15.10031	0.057744	261.5043987
20	O05	21740	CG8626	11.18675233	0.063082333	177.3357411
20	O06	21162	CG7142	12.96467333	0.075571333	171.5554399
20	O07	21719	CG14960	11.60199333	0.060022333	193.294607
20	O08	26951	CG31453	12.33528667	0.062235333	198.2039142
20	O09	21144	CG6967	12.15680667	0.063079	192.723516
20	O10	27013	CG11901	10.49511533	0.053088667	197.6903168
20	O11	21161	CG18647	10.69673933	0.061053667	175.2022428
20	O12	27016	CG12019	11.59690667	0.059202	195.8870759
20	O13	21166	CG6901	13.80056667	0.076925	179.4028816
20	O14	26995	CG11715	7.779723667	0.055094333	141.2073292
20	O15	21167	CG31116	12.16311667	0.058945333	206.3457101
20	O16	27012	CG11851	10.77547667	0.058679	183.6342928
20	O17	21157	CG32224,CG6996	13.25463	0.057786667	229.3717697
20	O18	27014	CG11956	12.33255	0.049402	249.6366544
20	O19	21165	CG6869	11.85929667	0.058953333	201.1641411
20	O20	27011	CG11798	10.79209433	0.056140667	192.233099
20	O21		wts	53.02417667	0.050103	1058.303428
20	O22		HFA17794	1.285951	0.022559	57.00390088
20	O23		hpo	34.68433	0.048480667	715.4260117
20	O24		Luc	2.206167333	0.052047333	42.38771119
20	P01	27008	CG30043	10.18235167	0.071763667	141.8872828
20	P02	20971	CG10014,CG17404	11.78456933	0.082251667	143.2745355
20	P03	26984	CG13125	12.08735933	0.062302333	194.0113425
20	P04	20972	CG17522	12.54156333	0.063848	196.4284446
20	P05	21065	CG17654	10.190745	0.060718667	167.8354542
20	P06	20978	CG17173,CG9384	11.86556867	0.062219	190.7065152
20	P07	21069	CG17712	10.540043	0.062406667	168.8929014
20	P08	20980	CG17274	12.93729333	0.066303667	195.1218384
20	P09	21044	CG18467	11.76193467	0.063010667	186.6657709
20	P10	20977	CG17141	12.70402667	0.062262333	204.040324
20	P11	21061	CG40278	1.255355333	0.046999	26.71025625

20	P12	20965	CG17134	11.82466333	0.067519667	175.1291722
20	P13	21063	CG18190	10.64125667	0.057475333	185.1447578
20	P14	26192	CG14734	11.75225667	0.064044667	183.5009421
20	P15	21073	CG18136	12.70191333	0.064205	197.8337097
20	P16	26244	CG14567	10.90499333	0.056669667	192.4308713
20	P17	20951	CG31883	11.70944667	0.054755333	213.8503403
20	P18	26239	CG14537	11.20868967	0.053931	207.8338927
20	P19	20974	CG16998	11.53623667	0.049923333	231.0790546
20	P20	26245	CG14579	12.6146	0.046869333	269.1440032
20	P21		wts	52.31354667	0.048792667	1072.160024
20	P22		HFA17794	1.126591	0.023351667	48.24456498
20	P23		hpo	35.07875333	0.043805667	800.7811775
20	P24		Luc	1.982460667	0.051786	38.28178787
21	A01		DIAP1	0.453518667	0.020142333	22.51569663
21	A02		ex/ft	33.76347333	0.058127333	580.8536432
21	A03		Luc	1.992728	0.070266667	28.35950664
21	A04		hpo	34.15019333	0.05286	646.0498171
21	A05	24819	CG11149	14.94473667	0.063438	235.580199
21	A06	30743	CG9344	12.07498567	0.135678667	88.99693639
21	A07	24821	CG11210	13.41246333	0.138121667	97.10615037
21	A08	30749	CG9064	16.77993333	0.138066	121.5355941
21	A09	24822	CG11262	13.63867333	0.134953333	101.0621449
21	A10	30748	CG8993	13.69024	0.139624	98.05076491
21	A11	24814	CG12077	12.60851633	0.14173	88.96152073
21	A12	30764	CG9263	13.42997	0.143522667	93.57386057
21	A13	24816	CG12173	11.44541467	0.139165667	82.24309157
21	A14	20508	CG7255	11.99655667	0.149398	80.29931235
21	A15	24823	CG11289	11.87048667	0.148041333	80.18359737
21	A16	20509	CG7306	11.42621	0.159643	71.5735109
21	A17	24815	CG12117	13.06368	0.143522333	91.02193155
21	A18	20513	CG7442	13.10922667	0.14781	88.68971427
21	A19	24818	CG11109	12.38417	0.147552	83.93088538
21	A20	20504	CG7200	12.10294	0.152293333	79.47123971
21	A21	30745	CG8822	12.87825	0.150552333	85.54002263
21	A22	20512	CG7404	14.56917333	0.145008	100.4715142
21	A23	30747	CG8934	13.59046667	0.148699667	91.39540775
21	A24	20514	CG8078	13.99545333	0.177874667	78.68154356
21	B01		DIAP1	0.544314	0.023104667	23.55861731
21	B02		ex/ft	38.47688333	0.060087333	640.3493249
21	B03		Luc	2.036899333	0.062642333	32.51633879
21	B04		hpo	36.91906333	0.057291	644.4129677
21	B05	20515	CG8107	12.44875333	0.070620333	176.2771817
21	B06	26257	CG14896	11.11435	0.131814	84.31843355
21	B07	20562	CG8095	10.49831033	0.132705333	79.1099353
21	B08	26259	CG15477	13.49288667	0.14247	94.70686226
21	B09	25677	CG12057	12.13987333	0.1372	88.48304179
21	B10	26256	CG14868,CG6136	13.12137333	0.139489333	94.06721661
21	B11	25682	CG12234	8.719294667	0.134811333	64.67775706
21	B12	26260	CG15488	10.040181	0.146506667	68.53054013
21	B13	25686	CG12464	12.27333	0.14642	83.82277011
21	B14	26253	CG15571	9.77661	0.141241667	69.21902177
21	B15	25683	CG12320	12.35705333	0.149371667	82.7268893
21	B16	26251	CG14829	12.43559667	0.153406333	81.0631243
21	B17	25684	CG12388	14.05571667	0.156581333	89.76623437

21	B18	31320	CG10045	12.13015	0.144157	84.14541091
21	B19	30361	CG5690	13.32503	0.146382	91.02915659
21	B20	31321	CG11314	11.42087333	0.154969333	73.6976348
21	B21	30387	CG5825	24.58792333	0.151340667	162.4673914
21	B22	31323	CG12490	12.84147333	0.148663667	86.3793664
21	B23	30381	CG5650	13.38679667	0.143276333	93.43341189
21	B24	31334	CG12171	15.05555333	0.165821	90.7940088
21	C01	24829	CG11093	12.542231	0.057829	216.8847983
21	C02	30754	CG9286	8.434777	0.063545	132.7370682
21	C03	24824	CG11323	12.81809667	0.066478	192.8171225
21	C04	30762	CG9094	13.42423467	0.062251	215.6468919
21	C05	24831	CG11152	13.28863333	0.057459667	231.2688901
21	C06	30755	CG9346	6.915743	0.143938667	48.04645729
21	C07	24833	CG11233	12.47962333	0.12512	99.74123508
21	C08	30804	CG9428	12.88201333	0.13875	92.84333934
21	C09	24834	CG11263	13.99904	0.133614333	104.771993
21	C10	30760	CG9007	11.99190333	0.139501	85.96284853
21	C11	24826	CG12078	13.53724	0.140708333	96.20780574
21	C12	30776	CG9264	14.63999	0.144895667	101.0381493
21	C13	24828	CG12178	15.03635	0.153783667	97.77598835
21	C14	20520	CG7262	11.53418333	0.138660333	83.18300595
21	C15	24835	CG11290	3.642606667	0.142273	25.60293708
21	C16	20521	CG7311	13.26109667	0.153776	86.23645216
21	C17	24868	CG11192	14.75213667	0.146815667	100.4806708
21	C18	20525	CG7447	13.43947667	0.142379	94.39226759
21	C19	24830	CG11126	13.09989	0.145453667	90.06228788
21	C20	20559	CG7390	13.97860333	0.152332333	91.76386278
21	C21	30757	CG8827	17.34111333	0.147704333	117.4042287
21	C22	20524	CG7408	13.44749333	0.146476	91.80680339
21	C23	30759	CG8946	10.56091033	0.140544	75.14308923
21	C24	20526	CG8080	14.42413	0.145717333	98.98705713
21	D01	20519	CG8247	16.19685667	0.076700333	211.1706164
21	D02	30358	CG6132	12.41891067	0.070246333	176.790874
21	D03	20505	CG8159	12.83665333	0.062932667	203.9744065
21	D04	30371	CG6192	13.38454333	0.057005667	234.7932077
21	D05	20527	CG8110	16.18569667	0.057324333	282.3529856
21	D06	26269	CG14901	12.28030667	0.129971333	94.48473253
21	D07	20574	CG8097	14.03819667	0.134429667	104.4278173
21	D08	26271	CG15478	14.43415333	0.132994667	108.5318208
21	D09	25721	CG12438	13.91097667	0.136731	101.739742
21	D10	26266	CG15582	11.68607333	0.13645	85.64363015
21	D11	25678	CG12539	14.39354	0.14399	99.9620807
21	D12	26264	CG15553	14.30459333	0.144566667	98.94807471
21	D13	25698	CG12470	13.16265667	0.145774667	90.29454135
21	D14	26265	CG15572	14.89954667	0.153652667	96.96900802
21	D15	25750	CG12602	13.61245	0.147822	92.08676652
21	D16	26273	CG15506	13.054	0.154808	84.32380756
21	D17	25696	CG12396	7.663571	0.150161333	51.03558173
21	D18	31330	CG12175	12.58050333	0.158932333	79.15634956
21	D19	30412	CG5911	13.27756	0.148125667	89.63713243
21	D20	31353	CG11190	13.40745	0.145538667	92.12294098
21	D21	30399	CG5827	1.581492333	0.133745	11.82468379
21	D22	31331	CG2849	13.58726667	0.150057	90.54736978
21	D23	30386	CG5788	19.71306667	0.138897333	141.9254509

21	D24	31346	CG12242	15.66867	0.142888667	109.6564925
21	E01	24820	CG11178	21.79786333	0.051281	425.0670489
21	E02	30766	CG9290	17.42495667	0.058161333	299.5969258
21	E03	24844	CG11183	21.42301667	0.052627667	407.0675754
21	E04	30774	CG9100	17.79716333	0.053443667	333.0079024
21	E05	24843	CG11153	14.98223667	0.058918667	254.2867569
21	E06	30767	CG9351	15.56795	0.129857667	119.8847199
21	E07	24845	CG11247	15.85973667	0.130947667	121.1150765
21	E08	30773	CG9073	17.37894667	0.130209333	133.4692854
21	E09	24846	CG11268	18.54037333	0.147198667	125.9547641
21	E10	30816	CG9430	16.35604333	0.132588333	123.3595967
21	E11	24838	CG12081	15.74493667	0.141827	111.0150865
21	E12	30788	CG9265	17.23629	0.147745667	116.6618987
21	E13	24840	CG12181	16.44636333	0.140349333	117.1816277
21	E14	20532	CG7264	14.42960667	0.141922333	101.672558
21	E15	24847	CG11291	15.58271333	0.143952	108.2493702
21	E16	20533	CG31670	19.30377333	0.151437	127.4706534
21	E17	24904	CG11209	17.0356	0.147379	115.5904165
21	E18	20537	CG8063	16.58072	0.143001667	115.9477395
21	E19	24842	CG11128	12.87881667	0.145510333	88.50791811
21	E20	20528	CG7218	16.87355333	0.146102333	115.4913337
21	E21	30769	CG8849	16.35070333	0.1473	111.0027382
21	E22	20536	CG7415	18.11333	0.14539	124.5844281
21	E23	30801	CG8800	16.37596333	0.145288	112.7138052
21	E24	20595	CG7402	17.84545667	0.141176333	126.4054409
21	F01	20566	CG8231	9.337212333	0.078860333	118.4018877
21	F02	30370	CG6134	14.70464333	0.054725333	268.6990181
21	F03	20506	CG8196	15.64111	0.063685	245.601162
21	F04	30428	CG6125	9.455093333	0.067704667	139.6520181
21	F05	20539	CG8112	13.24484333	0.068499333	193.357259
21	F06	26281	CG14906	14.42519	0.135262333	106.6460237
21	F07	20586	CG8098	16.19175333	0.133831333	120.9862663
21	F08	26318	CG15473	15.06612	0.133890667	112.5255432
21	F09	25733	CG12439	15.12427	0.143908333	105.0965545
21	F10	26280	CG14871,CG5205	13.4608	0.134904667	99.78009162
21	F11	25706	CG12254	1.789758667	0.128607667	13.91642282
21	F12	26276	CG15554	12.29586333	0.149836667	82.06177838
21	F13	25710	CG12480	16.55115667	0.145612667	113.6656381
21	F14	26267	CG14839,CG14841	12.87981667	0.145578667	88.47324242
21	F15	25680	CG12607	14.04194333	0.143524333	97.83667346
21	F16	26285	CG31038	14.90264667	0.149565667	99.63948946
21	F17	25681	CG12127	15.88627333	0.142773333	111.2691913
21	F18	31344	CG10146	13.75647667	0.146235667	94.07059837
21	F19	30385	CG5712	15.67741333	0.147723333	106.1268588
21	F20	31345	CG11574	14.64608667	0.151665667	96.56824111
21	F21	30411	CG5832	15.00612333	0.151329333	99.16202631
21	F22	31343	CG2864	16.53157333	0.146516333	112.8309244
21	F23	30427	CG6094	15.3274	0.141606667	108.2392543
21	F24	31358	CG12324	2.674559333	0.147342667	18.15196775
21	G01	24853	CG32016	16.64511667	0.052475333	317.1988744
21	G02	30778	CG9295	18.64165333	0.054306	343.2706024
21	G03	24848	CG11328	15.25108667	0.055253333	276.0211149
21	G04	30786	CG9116	18.9871	0.051728	367.0565264
21	G05	24855	CG11155	16.57140667	0.064740333	255.9672744

21	G06	30779	CG9359	12.97892	0.124715333	104.0683583
21	G07	24857	CG11250	15.06541667	0.133051	113.2303904
21	G08	30785	CG9074	16.22131	0.128466667	126.26863
21	G09	24858	CG11269	14.52981333	0.12897	112.660412
21	G10	30784	CG9016	18.90744	0.136212667	138.8082361
21	G11	24850	CG12091	17.46935	0.143425667	121.8007237
21	G12	20522	CG7338	11.51075333	0.143853	80.01747154
21	G13	24852	CG12194	17.90743333	0.145785667	122.8339777
21	G14	20544	CG7275	10.331527	0.153000667	67.52602603
21	G15	24859	CG11295	14.02275	0.155086667	90.41879809
21	G16	20545	CG7314	17.99063	0.137776333	130.5785222
21	G17	24851	CG12133	20.66876667	0.144995333	142.5478061
21	G18	20549	CG8064	14.44198667	0.144281667	100.0957849
21	G19	24908	CG12056	18.35360667	0.143168667	128.1956946
21	G20	20540	CG7222	16.17102	0.152603	105.9679036
21	G21	30770	CG8887	8.161928667	0.142975	57.08640438
21	G22	20548	CG7433	15.46257333	0.143214333	107.9680572
21	G23	30813	CG8817	11.96046667	0.134528	88.90689423
21	G24	20550	CG8090	20.02146333	0.143852	139.1809869
21	H01	20543	CG8258	11.47778333	0.072415667	158.4986214
21	H02	30368	CG6105	7.525714667	0.051183667	147.0335198
21	H03	20518	CG8197	17.82341667	0.062704667	284.2438628
21	H04	30395	CG6197	5.817138333	0.104553333	55.63799974
21	H05	20589	CG8195	15.07563333	0.058745667	256.6254532
21	H06	26293	CG14907	17.65469667	0.129553	136.2739316
21	H07	20598	CG8104	17.07709667	0.132900333	128.4955142
21	H08	26295	CG15480	14.59335	0.130248333	112.0425085
21	H09	25713	CG15552	17.41199	0.129567667	134.3853019
21	H10	26330	CG15475	14.57451	0.134744333	108.1641776
21	H11	25759	CG12535	15.00716	0.131395333	114.2137975
21	H12	26339	CG14864	14.46156	0.138862667	104.1428942
21	H13	25711	CG12507	16.05080667	0.143137667	112.13545
21	H14	26279	CG14843	16.58842	0.137629	120.5299755
21	H15	25692	CG12609	15.94800333	0.146333667	108.9838292
21	H16	26287	CG32381	15.32770667	0.145217333	105.550118
21	H17	25691	CG12587	15.68549	0.143011333	109.6800487
21	H18	31356	CG10174	9.951337333	0.146214667	68.05977513
21	H19	30401	CG5968	15.84418333	0.144122667	109.9354022
21	H20	31377	CG12154	15.39702	0.141860333	108.5364713
21	H21	30414	CG6052	17.07715	0.143634667	118.8929553
21	H22	31355	CG2871	16.90277	0.143435333	117.8424424
21	H23	30439	CG6096	18.18704333	0.141564333	128.4719315
21	H24	31349	CG2209	17.56425333	0.142924	122.8922598
21	I01	24865	CG11099	11.02063967	0.060035667	183.5682067
21	I02	30790	CG9316	14.14264333	0.064944333	217.7656249
21	I03	24860	CG11329	16.27347	0.069192667	235.1906753
21	I04	30792	CG9406	11.80795633	0.066602333	177.2904303
21	I05	24867	CG11159	13.16860667	0.058839667	223.8049162
21	I06	30751	CG9159	10.62053133	0.131787333	80.58840759
21	I07	24869	CG11251	13.91222333	0.133245	104.4108472
21	I08	30797	CG9076	14.80029	0.141661333	104.4765685
21	I09	24870	CG11280	13.53298333	0.136298333	99.28942638
21	I10	30796	CG9029	11.10512333	0.139808	79.4312438
21	I11	24862	CG12092	11.91663333	0.143126	83.25973851

21	I12	20534	CG7342	13.18396333	0.143752333	91.71303886
21	I13	24864	CG12204	13.23655	0.144712667	91.46780517
21	I14	20556	CG7283	1.232506	0.13612	9.054554805
21	I15	24871	CG11297	11.61029	0.146753	79.11449851
21	I16	20557	CG7319	14.72654	0.160176667	91.93935862
21	I17	24863	CG31146	12.51626233	0.152186667	82.24283117
21	I18	20561	CG8067	13.13450333	0.150147	87.47762748
21	I19	30753	CG8778	12.30386333	0.147775	83.26079062
21	I20	20552	CG7227	11.51274967	0.145889	78.91444637
21	I21	30782	CG8889	13.67360333	0.146047667	93.62425053
21	I22	20582	CG7361	7.366924333	0.142255667	51.7865088
21	I23	30795	CG8982	12.66355333	0.149789333	84.54242403
21	I24	20511	CG7376	14.46281	0.149354333	96.83555661
21	J01	20555	CG8264	1.784308333	0.046147667	38.66519073
21	J02	30394	CG6140	13.57005367	0.07047	192.5649733
21	J03	20541	CG8176	13.35112333	0.065466333	203.9387675
21	J04	30432	CG6302	12.99519333	0.06659	195.1523252
21	J05	20563	CG8129	12.71806667	0.066171	192.2000071
21	J06	26274	CG15538	12.186688	0.130737333	93.21505716
21	J07	25700	CG12521	12.33682333	0.141334	87.2884326
21	J08	26327	CG31306	12.76035	0.140827	90.61011028
21	J09	25725	CG12105	8.853922667	0.137688667	64.30393206
21	J10	26304	CG33207	13.70522	0.140620333	97.46257654
21	J11	25730	CG12273	9.991139333	0.147129667	67.90703438
21	J12	26300	CG15564	11.59973433	0.155037333	74.81897478
21	J13	25727	CG12594	13.96418333	0.146516333	95.30803164
21	J14	26301	CG15576	11.86349333	0.142020333	83.53376629
21	J15	25731	CG12347	14.91878333	0.150025667	99.44154
21	J16	26310	CG15545	13.11986667	0.144259	90.94660761
21	J17	25761	CG12585	13.17403	0.148042667	88.988062
21	J18	31368	CG10476	12.37469667	0.148615	83.26680797
21	J19	30413	CG5986	12.62301333	0.145148667	86.96609913
21	J20	31397	CG10965	13.04234333	0.147007	88.71919931
21	J21	30451	CG6104	12.58471367	0.150411333	83.66865307
21	J22	31367	CG2879	12.01570333	0.141661667	84.81972305
21	J23	30422	CG5804	12.95569	0.146039667	88.71350021
21	J24	31382	CG40051	11.27016	0.152257333	74.02047411
21	K02	30768	CG9397	16.49918667	0.067517333	244.3696434
21	K03	24872	CG11331	15.31367333	0.068701	222.9032086
21	K04	30810	CG9144	19.93907333	0.061228	325.6528603
21	K05	24879	CG11160	14.10361333	0.062557667	225.4497983
21	K06	30763	CG9162	15.15756667	0.067458333	224.695244
21	K07	24881	CG11253	13.66146333	0.134537	101.544284
21	K08	30831	CG8987	10.80498133	0.133418667	80.98552926
21	K09	24882	CG11281	13.81983333	0.132561333	104.2523712
21	K1	24877	CG11101	14.43927667	0.14282	101.101223
21	K10	30812	CG9271	15.55303333	0.142662667	109.0196454
21	K11	24874	CG12096	12.08429333	0.142719333	84.67173333
21	K12	20546	CG32091	15.24782667	0.148702	102.5394861
21	K13	24876	CG12212	14.20304	0.148574333	95.5955156
21	K14	20568	CG7289	10.84783367	0.144587667	75.02599576
21	K15	24866	CG11144	12.74680333	0.152341333	83.67265176
21	K16	20569	CG7329	15.33414333	0.148124667	103.5218757
21	K17	24875	CG12149	16.65167667	0.154919333	107.4861111

21	K18	20573	CG8070	6.633128	0.151037	43.91723882
21	K19	30765	CG8781	9.201965667	0.161510667	56.97435257
21	K20	20564	CG7231	16.80508667	0.150565333	111.6132532
21	K21	30805	CG8860	12.94119333	0.151032333	85.68491956
21	K22	20572	CG7436	12.75229333	0.149062333	85.55007189
21	K23	30807	CG8983	18.13127667	0.149657	121.1522125
21	K24	20523	CG7380	6.492777333	0.144841333	44.8268266
21	L01	20567	CG8266	20.76247667	0.066258667	313.3548819
21	L02	30372	CG6225	16.64331333	0.070859333	234.8782094
21	L03	20542	CG30090	13.15962333	0.062780333	209.6137856
21	L04	30419	CG6201	17.6676	0.068333667	258.5489827
21	L05	20575	CG8142	16.75803667	0.071476333	234.4557406
21	L06	26317	CG14911	15.29696667	0.134506333	113.726739
21	L07	25726	CG12552	17.93439667	0.128403333	139.6723605
21	L08	26319	CG15482,CG5547	14.56869	0.146485333	99.45493974
21	L09	25736	CG12114	15.27064333	0.143313	106.554488
21	L10	26314	CG31562	12.20237	0.147002333	83.00800214
21	L11	25741	CG12278	14.63697667	0.152184	96.17947134
21	L12	26342	CG15476	14.66646333	0.141022667	104.0007517
21	L13	25745	CG12486	15.60871333	0.149645	104.3049439
21	L14	26346	CG15549	14.14081667	0.145305333	97.31794658
21	L15	25742	CG12377	13.93014667	0.143079	97.35982686
21	L16	26322	CG15546	13.87052	0.153197333	90.54021828
21	L17	25715	CG12591	16.12199667	0.140920667	114.4047715
21	L18	31380	CG10533	13.57815667	0.146105333	92.93402477
21	L19	30425	CG5991	14.78088	0.143423667	103.0574684
21	L20	31381	CG11659	13.90311	0.150470333	92.39768194
21	L21	30438	CG6064	14.43641	0.121412	118.9043093
21	L22	31378	CG32498	14.98657667	0.144116	103.9896796
21	L23	30441	CG5683	18.38930667	0.145208	126.6411401
21	L24	31373	CG2227	18.84834667	0.142072667	132.6669451
21	M01	24889	CG11103	14.88092333	0.059999	248.0195225
21	M02	30814	CG9329	14.75031333	0.059145	249.3923972
21	M03	24884	CG11342	15.17788	0.057999333	261.6905941
21	M04	30823	CG9227	14.75530333	0.057664333	255.8826658
21	M05	24891	CG11162	14.50923333	0.059023	245.8233796
21	M06	30815	CG9378	13.84399	0.136564	101.3736417
21	M07	24893	CG11257	13.05721333	0.125737333	103.8451587
21	M08	30821	CG9083	14.01077667	0.134666	104.0409358
21	M09	24894	CG11282	18.05189	0.146729333	123.0285015
21	M10	30824	CG9277	14.83589	0.143874667	103.1167637
21	M11	24886	CG12113	28.66196	0.158261333	181.1052605
21	M12	20558	CG7357	16.68683333	0.149547	111.5825348
21	M13	24888	CG12214	16.90936	0.15133	111.7383202
21	M14	20580	CG7290	12.56294667	0.145972	86.06408535
21	M15	24878	CG11146	14.70152667	0.148939667	98.70793319
21	M16	20581	CG7332	15.60113	0.147956333	105.4441513
21	M17	24887	CG12161	17.09797	0.147604333	115.8365043
21	M18	20585	CG8073	15.22149	0.147258333	103.3658989
21	M19	30830	CG8932	13.83163	0.148786	92.96324923
21	M20	20576	CG7245	13.82534	0.143469	96.3646502
21	M21	30806	CG8902	22.49234667	0.163453333	137.6071458
21	M22	20584	CG7439	21.51337333	0.162335333	132.524281
21	M23	30819	CG8986	14.83672333	0.151157	98.15439135

21	M24	20535	CG7382	17.11309333	0.13843	123.6227215
21	N01	20579	CG8268	12.85508	0.070078667	183.4378508
21	N02	30384	CG6240	15.19695	0.062803667	241.9755216
21	N03	20565	CG8193	12.40294333	0.068396667	181.3384181
21	N04	26294	CG15468	14.03651333	0.066375333	211.4718319
21	N05	20587	CG8146	12.7007	0.062898	201.9253394
21	N06	26298	CG15541	13.25862	0.133223333	99.52175545
21	N07	25724	CG12525	11.94636333	0.134831667	88.60205936
21	N08	26331	CG15484	16.96125333	0.143025	118.5894308
21	N09	25748	CG12120	14.65101333	0.140812	104.0466248
21	N10	26328	CG14880,CG17931	12.45358333	0.138270667	90.06670492
21	N11	25753	CG12296	13.84577333	0.146314667	94.63011227
21	N12	26332	CG15499	14.20785333	0.144107667	98.59193242
21	N13	25757	CG12496	13.64329333	0.143128333	95.32210021
21	N14	26315	CG31330	17.14411	0.158672667	108.0470276
21	N15	25728	CG12621	14.57494667	0.142318333	102.4108864
21	N16	26333	CG31036	14.86385	0.147915	100.4891323
21	N17	25729	CG12193	15.16671667	0.146974667	103.1927271
21	N18	31392	CG10812	14.17022	0.148271	95.5697338
21	N19	30433	CG5751	17.05459333	0.142397333	119.7676455
21	N20	31393	CG1179	13.03089	0.154969	84.08707548
21	N21	30450	CG6071	13.51391333	0.143681333	94.05476007
21	N22	31390	CG12184	16.29789667	0.152910333	106.5846651
21	N23	30446	CG5814	14.61320333	0.152827333	95.61904284
21	N24	31405	CG12487	15.65019667	0.143107333	109.3598511
21	O01	24901	CG11105	8.477947667	0.280750667	30.19742666
21	O02	30780	CG9403	14.17398433	0.071722667	197.6221046
21	O03	24892	CG11200	13.74883667	0.06354	216.38081
21	O04	30834	CG9154	13.65464333	0.069952	195.2001849
21	O05	24903	CG11172	12.97286667	0.093496333	138.7526784
21	O06	30787	CG9196	14.83040667	0.145022667	102.2626808
21	O07	24905	CG11260	15.59845	0.139618	111.7223424
21	O08	30835	CG9238	16.65326667	0.138627667	120.1294595
21	O09	24906	CG11284	16.03001333	0.145996	109.79762
21	O10	30832	CG9046	13.14704333	0.145802667	90.17011577
21	O11	24898	CG12116	14.15596333	0.147763333	95.80159715
21	O12	20570	CG7360	7.184966667	0.137547667	52.23619448
21	O13	24902	CG11148	14.48992	0.151565333	95.60180868
21	O14	20592	CG7298	11.98536333	0.145424	82.41668042
21	O15	24907	CG11319	15.5616	0.159111	97.80342025
21	O16	20593	CG7334	14.39393333	0.146913333	97.97567727
21	O17	24899	CG12170	15.48241333	0.143063	108.2209469
21	O18	20597	CG8075	12.85765667	0.148306333	86.69661219
21	O19	30789	CG8799	12.88596	0.155329333	82.95896032
21	O20	20588	CG7246	9.673408	0.149593333	64.66469985
21	O21		wtg	59.95046667	0.142419667	420.9423324
21	O22		HFA17794	1.475954333	0.108475	13.60640086
21	O23		hpo	42.93707667	0.142902	300.4651906
21	O24		Luc	2.285559667	0.142016667	16.09360169
21	P01	20591	CG8270	13.22081	0.089649667	147.4719371
21	P02	30430	CG6180	11.93710367	0.073966333	161.3856349
21	P03	20577	CG8194	11.93794	0.068906667	173.2479683
21	P04	26306	CG15472	11.92059	0.069110333	172.4863624
21	P05	20599	CG8151	21.56860333	0.154253	139.8261514

21	P06	26341	CG14914	13.28243	0.141826	93.65299733
21	P07	25735	CG12526	12.68491333	0.137596333	92.18932675
21	P08	26343	CG12287	14.24971333	0.139940333	101.8270644
21	P09	25769	CG12517,CG31723	13.79231333	0.137865	100.0421669
21	P10	26340	CG14883	11.17999067	0.139543333	80.11841483
21	P11	25765	CG12303	12.15093667	0.147870333	82.17291726
21	P12	26344	CG15503	13.23303667	0.150388667	87.99224676
21	P13	25758	CG12516	13.40945	0.152481667	87.94139186
21	P14	26337	CG15579	11.44549067	0.146911	77.9076493
21	P15	25766	CG12386	14.24687333	0.162087	87.8964589
21	P16	26335	CG14837	13.70858667	0.149188333	91.88779283
21	P17	25767	CG12426	14.18333667	0.152178667	93.20187236
21	P18	31403	CG11091	8.854259	0.14816	59.76146733
21	P19	30445	CG5762	14.67011667	0.149389333	98.20056318
21	P20	31404	CG1180	14.13577667	0.144383	97.90471639
21	P21		wts	54.42004333	0.143149	380.163629
21	P22		HFA17794	1.265443667	0.113675	11.13211935
21	P23		hpo	45.10318	0.142693333	316.0847038
21	P24		Luc	2.510825667	0.142521667	17.61715061
22	A01		DIAP1	0.433904	0.021276667	20.39342002
22	A02		ex/ft	39.92538667	0.052765333	756.6594229
22	A03		Luc	1.902357333	0.057937333	32.83474098
22	A04		hpo	30.62757667	0.051694667	592.4707255
22	A05	31324	CG13044	13.37536067	0.054685333	244.587714
22	A06	32508	CG10364	11.01479367	0.053905	204.3371425
22	A07	31335	CG12506	12.48222333	0.060935333	204.8437688
22	A08	32516	CG11137	11.05187933	0.058102667	190.2129449
22	A09	21846	CG7177	8.140044	0.053793333	151.3206841
22	A10	32524	CG11555	10.54763233	0.053053333	198.8118686
22	A11	21853	CG6297	9.843717333	0.055999667	175.781713
22	A12	32532	CG12126	13.02372333	0.058286667	223.4425826
22	A13	21849	CG5026	12.07095	0.053627667	225.0881075
22	A14	32540	CG12505	8.142143667	0.042530333	191.4432131
22	A15	21860	CG4803	11.86431667	0.048453	244.8623752
22	A16	32548	CG13021	10.88757167	0.050048	217.5425924
22	A17	21864	CG6025	11.40164167	0.052655667	216.5320921
22	A18	32556	CG13245	12.59335667	0.051708	243.5475491
22	A19	21867	CG6811	11.38123333	0.056922667	199.9420266
22	A20	32564	CG13511	11.04136467	0.047828	230.8556633
22	A21	21863	CG5719	12.96523	0.048353333	268.1351854
22	A22	32588	CG14763	14.72962667	0.044375667	331.9302621
22	A23	21931	CG31110	14.39305667	0.054822	262.5416195
22	A24	32595	CG14937	14.23921333	0.052270333	272.4148178
22	B01		DIAP1	0.438547	0.023616333	18.56964812
22	B02		ex/ft	36.96555333	0.065395667	565.2599815
22	B03		Luc	1.787015667	0.066204667	26.99229158
22	B04		hpo	42.43699	0.062910667	674.5595342
22	B05	32628	CG17148	13.67748333	0.058352333	234.3947971
22	B06	32700	CG31817	11.35908833	0.057078	199.0099221
22	B07	32636	CG17950	5.468722	0.053138333	102.9148198
22	B08	32708	CG32038	13.69690333	0.060652333	225.8264865
22	B09	32652	CG30061	12.41863333	0.058786333	211.2503473
22	B10	32716	CG32227	13.46119333	0.058309	230.8596157
22	B11	32660	CG30179	13.59492667	0.055647333	244.305088

22	B12	32724	CG32440	10.472996	0.054122667	193.5048039
22	B13	32676	CG3109	12.15981233	0.066111667	183.9283888
22	B14	32732	CG32715	10.19281667	0.047647333	213.9220803
22	B15	32684	CG31344	13.18059333	0.053473	246.4906277
22	B16	32740	CG32988	11.88016633	0.051751	229.5639955
22	B17	32604	CG15404	12.42954	0.052942667	234.7735916
22	B18	32748	CG33117	7.366288667	0.051382	143.3632141
22	B19	32612	CG15675	13.45646	0.047519667	283.1766497
22	B20	32756	CG33197	12.304556	0.055217667	222.8373045
22	B21	32668	CG30423	14.17882667	0.044457333	318.93111
22	B22	32765	CG40301	12.30358333	0.04913	250.4291336
22	B23	32692	CG31682	12.23229333	0.049976333	244.7617205
22	B24	32779	CG4930	13.90502	0.051611	269.4196974
22	C01	31328	CG15381	14.90473667	0.052340333	284.7657957
22	C02	32580	CG14367	13.09114	0.057488	227.7195241
22	C03	31327	CG14143	15.07556667	0.056115	268.6548457
22	C04	32572	CG14110	13.40759667	0.052516667	255.3017455
22	C05	31406	CG13041	12.31975333	0.050228	245.2766053
22	C06	32509	CG10371	14.86446333	0.052854667	281.2327514
22	C07	31347	CG1252	14.16864333	0.055980333	253.1003745
22	C08	32517	CG11165	16.52236	0.059070667	279.7049861
22	C09	21858	CG7180	15.66270667	0.049255333	317.9900654
22	C10	32525	CG11635	14.98732333	0.049207333	304.5749956
22	C11	21865	CG6355	14.87712667	0.05153	288.7080665
22	C12	32533	CG12159	17.31164	0.059701333	289.9707433
22	C13	21861	CG5072	8.793221667	0.0425	206.8993333
22	C14	32541	CG12659	15.48257667	0.059280333	261.1756007
22	C15	21872	CG4839	14.49065333	0.051010333	284.0729003
22	C16	32549	CG13031	13.32443333	0.052309667	254.7221992
22	C17	21876	CG6027	16.74416667	0.047638333	351.4851485
22	C18	32557	CG13307	13.91595	0.043491667	319.9681931
22	C19	21879	CG6899	17.14558	0.050767333	337.7285919
22	C20	32565	CG13612	17.08394	0.047971	356.1305789
22	C21	21875	CG5790	16.98949667	0.048351667	351.373548
22	C22	32589	CG14778	18.03333667	0.048824667	369.3488947
22	C23	32500	CG10063	15.87309333	0.045543667	348.5247125
22	C24	32596	CG14957	18.89666333	0.044381	425.7827298
22	D01	32644	CG2151	7.689721667	0.068706667	111.9210411
22	D02	32772	CG4337	16.0266	0.059006	271.6096668
22	D03	32620	CG16783	17.4381	0.076075	229.2224778
22	D04	32780	CG5180	16.16443	0.054632333	295.8766176
22	D05	32629	CG17173	12.52085667	0.065748667	190.4351419
22	D06	32701	CG31818	16.5575	0.056789667	291.5583234
22	D07	32637	CG17977	16.28961333	0.058142333	280.1678639
22	D08	32709	CG32084	10.893148	0.054688667	199.1847427
22	D09	32653	CG30067	13.81151333	0.069639	198.3301503
22	D10	32717	CG32238	13.32322	0.047442333	280.8297793
22	D11	32661	CG30181	14.01643667	0.054415333	257.5824829
22	D12	32725	CG32463	14.17889667	0.045489667	311.6948904
22	D13	32677	CG31147	16.14071	0.055142667	292.7081872
22	D14	32733	CG32808	13.37990333	0.051956667	257.5204337
22	D15	32685	CG31392	15.77592667	0.046747667	337.4698202
22	D16	32741	CG33002	11.15116967	0.049416667	225.6560472
22	D17	32605	CG15442	1.029313333	0.039751	25.89402363

22	D18	32749	CG33150	13.05183333	0.050947	256.1845316
22	D19	32613	CG15701	13.98526667	0.045703	306.0032529
22	D20	32757	CG3354	15.68104	0.048567	322.8743797
22	D21	32669	CG30464	15.75373333	0.046946	335.5713657
22	D22	32766	CG4043	12.17823667	0.044758333	272.0886986
22	D23	32693	CG31691	16.19670333	0.045039	359.6150743
22	D24	32787	CG5388	14.59580333	0.047786333	305.4388633
22	E01	31362	CG1367	23.17821	0.056929667	407.1376377
22	E02	32581	CG14479	18.66207333	0.050644	368.4952479
22	E03	31374	CG13673	4.482231667	0.055006333	81.48573801
22	E04	32573	CG14111	21.96760667	0.059803333	367.3308065
22	E05	31348	CG13063	18.23266	0.050697667	359.6350917
22	E06	32510	CG10375	18.91358333	0.052272	361.8301066
22	E07	31398	CG13679	19.18038667	0.050343667	380.9890685
22	E08	32518	CG11177	18.75724333	0.051623667	363.3458168
22	E09	21870	CG7223	15.16475667	0.052495667	288.8763517
22	E10	32526	CG11674	18.70640667	0.047368333	394.913761
22	E11	21877	CG6386	11.359925	0.046108667	246.37288
22	E12	32534	CG12225	2.521429	0.039943333	63.1251523
22	E13	21873	CG5092	6.651944	0.040012333	166.2473404
22	E14	32542	CG12752	9.114595333	0.0467	195.1733476
22	E15	21884	CG4853	20.08233333	0.041500333	483.9077598
22	E16	32550	CG13042	17.32686	0.044586	388.6166061
22	E17	21888	CG6036	17.82348333	0.043265667	411.9544365
22	E18	32558	CG13339	17.77398667	0.048063333	369.8034538
22	E19	21891	CG6963	10.879076	0.045990667	236.5496478
22	E20	32566	CG13667	15.36597333	0.048120333	319.3239171
22	E21	21929	CG7156	15.15728	0.046347	327.0390748
22	E22	32590	CG14797	17.21689333	0.044181	389.6899874
22	E23	32501	CG10075	21.66893	0.04564	474.7793602
22	E24	32597	CG14990	19.47185333	0.044156333	440.9753225
22	F01	32645	CG2297	16.29988333	0.054058	301.5258303
22	F02	32773	CG4426	19.08631667	0.069263333	275.5616247
22	F03	32621	CG16896	19.16872	0.059837	320.348948
22	F04	32781	CG5184	15.35703	0.056509	271.7625511
22	F05	32630	CG17217	17.45247	0.051388333	339.619304
22	F06	32702	CG31820	17.46133667	0.053162667	328.451106
22	F07	32638	CG17996	19.30569	0.053152667	363.2120684
22	F08	32710	CG32086	16.77954	0.050888	329.7347115
22	F09	32654	CG30070	16.88795	0.052286	322.9918143
22	F10	32718	CG32242	20.08277667	0.048976	410.0534275
22	F11	32662	CG30185	16.70140667	0.055116333	303.0210041
22	F12	32726	CG32536	15.89597	0.051052333	311.3661798
22	F13	32678	CG31155	7.410885333	0.037663333	196.7665811
22	F14	32734	CG32829	14.64491333	0.042358667	345.7359375
22	F15	32686	CG31418	15.73826667	0.045713	344.2842663
22	F16	32742	CG33003	16.78334333	0.043855667	382.6949767
22	F17	32606	CG15482	17.66895667	0.045510667	388.2377025
22	F18	32750	CG33151	16.20015333	0.045874333	353.1419893
22	F19	32614	CG15742	15.45319333	0.042932667	359.9402165
22	F20	32758	CG3513	16.47903	0.045148667	364.9948319
22	F21	32670	CG30468	17.36823333	0.044428667	390.924028
22	F22	32767	CG4124	12.32024333	0.048802	252.4536563
22	F23	32694	CG31698	15.40976667	0.048232333	319.4903834

22	F24	32788	CG5479	18.85199333	0.039784	473.8586702
22	G01	31352	CG15489	17.47455	0.052943333	330.0613864
22	G02	32582	CG14514	14.80426333	0.061052667	242.4834842
22	G03	31351	CG14374	19.15686	0.054420667	352.0144308
22	G04	32574	CG14174	20.27937333	0.055543333	365.109044
22	G05	31360	CG13066	21.41733333	0.050247667	426.2353807
22	G06	32511	CG10681	18.27884667	0.054158667	337.5054777
22	G07	31371	CG12798	24.93385667	0.05353	465.7922037
22	G08	32519	CG11205	19.46600333	0.053942	360.8691434
22	G09	21882	CG7236	17.07969333	0.045163	378.1788928
22	G10	32527	CG11763	18.32890667	0.048762667	375.8799081
22	G11	21889	CG6498	25.90241667	0.055289667	468.4856724
22	G12	32535	CG12253	21.68148667	0.047115333	460.1789934
22	G13	21904	CG31711	22.23941	0.045676	486.8948682
22	G14	32543	CG12895	19.12491333	0.043167333	443.041343
22	G15	21896	CG4921	20.55246667	0.048972	419.6779112
22	G16	32551	CG13057	21.6643	0.048807667	443.87084
22	G17	21900	CG6114	18.22596333	0.042327	430.5989873
22	G18	32559	CG13418	19.47194333	0.045095	431.7982777
22	G19	21903	CG7001	23.20158333	0.047331	490.1984605
22	G20	32567	CG13690	19.34602667	0.047438	407.8170805
22	G21	21899	CG5937	19.79104667	0.041939333	471.8970259
22	G22	32591	CG14839	14.62971667	0.043182	338.7920121
22	G23	32502	CG10137	21.64659	0.043988333	492.0984352
22	G24	32598	CG15043	19.09689667	0.043096333	443.1211472
22	H01	32646	CG2970	18.61429333	0.051564	360.9939751
22	H02	32774	CG4437	15.65116	0.053945667	290.1282154
22	H03	32622	CG16982	12.27396	0.047927	256.0969808
22	H04	32782	CG5232	19.00889333	0.053811667	353.248552
22	H05	32631	CG17275	19.52889333	0.053553333	364.6625171
22	H06	32703	CG31842	16.06800333	0.053517333	300.2392371
22	H07	32639	CG18042	14.38370667	0.050756	283.3892873
22	H08	32711	CG32136	16.74971667	0.048150333	347.8629431
22	H09	32655	CG30074	18.38620333	0.050637	363.0981957
22	H10	32719	CG32253	6.195272	0.051463333	120.3822527
22	H11	32663	CG30324	18.84523333	0.046521	405.0908909
22	H12	32727	CG32537	14.98688667	0.047483667	315.6219332
22	H13	32679	CG31157	17.56872333	0.053807667	326.5096671
22	H14	32735	CG32832	17.30738	0.047836	361.8065892
22	H15	32687	CG31419	15.48728667	0.041192667	375.9719368
22	H16	32743	CG33054	13.61347667	0.045617667	298.4255369
22	H17	32607	CG15517	17.36914	0.041394	419.6052568
22	H18	32751	CG33169	15.82444	0.044030333	359.3985964
22	H19	32615	CG15779	18.70344	0.049382333	378.7475953
22	H20	32759	CG3624	17.49810333	0.042966667	407.248332
22	H21	32675	CG31084	20.42275	0.037108667	550.3498733
22	H22	32768	CG4182	10.463084	0.04307	242.9320641
22	H23	32695	CG31744	18.89619	0.041171	458.9684487
22	H24	32789	CG5506	22.07942667	0.040867333	540.2707949
22	I01	31364	CG15494	14.38022667	0.0646	222.604128
22	I02	32583	CG14540	15.24135	0.058075333	262.4410249
22	I03	31363	CG14377	17.76226	0.056240667	315.8259148
22	I04	32575	CG14210	9.281101667	0.05454	170.1705476
22	I05	31372	CG13069	11.75319	0.055876	210.3441549

22	I06	32512	CG10685	6.527484667	0.072129	90.49736814
22	I07	31383	CG12842	15.95967	0.058702	271.876086
22	I08	32520	CG11411	17.60066333	0.054359333	323.7836495
22	I09	21894	CG7323	13.7168	0.064830333	211.5799703
22	I10	32528	CG11777	13.01043	0.057649	225.6835331
22	I11	21886	CG5522	12.26237	0.056134333	218.4468804
22	I12	32536	CG12400	13.74212333	0.055408333	248.015461
22	I13	21897	CG5179	5.856993	0.043975667	133.1871338
22	I14	32544	CG12905	16.15824667	0.046962	344.0706671
22	I15	21908	CG4926	15.87252	0.048258667	328.9050671
22	I16	32552	CG13087	15.0071	0.051972333	288.7517076
22	I17	21912	CG6117	17.25585333	0.050062	344.6896515
22	I18	32560	CG13437	15.26396667	0.050191333	304.1155844
22	I19	21914	CG32134	15.49152667	0.046805667	330.9754517
22	I20	32568	CG13837	13.65479667	0.049486667	275.9288024
22	I21	21878	CG6622	15.65900333	0.050586	309.5521159
22	I22	32587	CG14710	12.33477	0.047529667	259.5172839
22	I23	32503	CG10154	15.24485667	0.044215333	344.7866502
22	I24	32599	CG15048	15.81467	0.041867333	377.7329183
22	J01	32647	CG2986	1.999520333	0.056965	35.10085725
22	J02	32775	CG4455	11.78332333	0.068023	173.2255757
22	J03	32623	CG16985	11.09346667	0.059334	186.9664386
22	J04	32783	CG5280	9.509646333	0.056164333	169.3182447
22	J05	32632	CG17404	11.39917667	0.058398667	195.1958378
22	J06	32704	CG31875	10.95284667	0.056188667	194.9298198
22	J07	32640	CG18146	13.56928333	0.064977	208.8320996
22	J08	32712	CG32160	11.63202667	0.048288	240.8885575
22	J09	32656	CG30099	13.74997667	0.0565	243.3624189
22	J10	32720	CG32255	14.32145667	0.052185667	274.4327625
22	J11	32664	CG30365	13.58041333	0.048415333	280.4981893
22	J12	32728	CG32576	10.779414	0.052708667	204.509328
22	J13	32680	CG31231	14.55035	0.059452667	244.7383913
22	J14	32736	CG32833	11.87028667	0.055691	213.1455112
22	J15	32688	CG31463	14.66885333	0.050421333	290.9255342
22	J16	32744	CG33056	11.74049667	0.047282667	248.3044527
22	J17	32608	CG15527	14.53497333	0.05085	285.8401835
22	J18	32752	CG33170	13.482	0.045281667	297.7363907
22	J19	32616	CG15863	11.97541	0.053455667	224.02508
22	J20	32760	CG3712	13.98236	0.049168667	284.3754152
22	J21	32672	CG3058	10.46245833	0.053958	193.9000395
22	J22	32769	CG4211	12.32555	0.062005667	198.7810254
22	J23	32696	CG31748	13.76292333	0.051379667	267.8671199
22	J24	32790	CG5516	15.21136333	0.043356667	350.8425463
22	K02	32584	CG14561	16.39073333	0.065839333	248.9504754
22	K03	31375	CG40105	13.93923333	0.057363	243.0004242
22	K04	32576	CG14212	14.69710333	0.065846667	223.2019338
22	K05	31338	CG13589	10.96847167	0.052677	208.2212667
22	K06	32513	CG10700	14.49406	0.060042333	241.3973474
22	K07	21869	CG7097	11.87507	0.05955	199.4134341
22	K08	32521	CG11417	17.37483333	0.053468667	324.9535554
22	K09	21895	CG7576	12.37379133	0.065813333	188.0134421
22	K1	31376	CG15507	15.01298	0.056026667	267.9613279
22	K10	32529	CG12005	12.07328933	0.049860333	242.1421705
22	K11	21913	CG6535	13.06886	0.055594333	235.0753974

22	K12	32537	CG12403	11.917771	0.055137667	216.1457262
22	K13	21909	CG5182	12.86519	0.056408667	228.0711593
22	K14	32545	CG12918	15.56480667	0.051019667	305.0746444
22	K15	21920	CG4945	17.96491333	0.056584667	317.4873052
22	K16	32553	CG13144	16.27934333	0.053580333	303.8305722
22	K17	21924	CG6238	16.95589333	0.052144333	325.1723102
22	K18	32561	CG13445	15.38979667	0.048592667	316.7102718
22	K19	21927	CG7028	12.92631333	0.051229333	252.3224975
22	K20	32569	CG13884	14.14561	0.054975667	257.3067478
22	K21	21890	CG6682	14.08626667	0.054945667	256.3671991
22	K22	32593	CG14871	14.36775	0.046715667	307.5574218
22	K23	32504	CG10203	14.99452	0.043222	346.9186988
22	K24	32600	CG15191	18.35523667	0.042458333	432.3117566
22	L01	32648	CG30016	18.58379	0.064210333	289.4205502
22	L02	32776	CG4755	21.10064333	0.062617667	336.9758801
22	L03	32602	CG15382	18.51466	0.053621	345.2874807
22	L04	32784	CG5303	14.81367333	0.060145	246.2993322
22	L05	32633	CG17717	15.44350667	0.062114667	248.6289872
22	L06	32705	CG31974	11.94001033	0.059142333	201.8860207
22	L07	32641	CG18508	15.86152333	0.055067333	288.0387041
22	L08	32713	CG32177	16.47302	0.062741333	262.5545095
22	L09	32657	CG30128	14.80914667	0.056924	260.1564659
22	L10	32721	CG32284	17.62635333	0.053031333	332.3762053
22	L11	32665	CG30376	15.41604	0.050724333	303.9180407
22	L12	32729	CG32578	16.95300333	0.057644667	294.0949148
22	L13	32681	CG31236	10.85002333	0.053492333	202.8332409
22	L14	32737	CG32834	16.17339667	0.049784	324.8713777
22	L15	32689	CG31464	16.27972333	0.052783667	308.4235022
22	L16	32745	CG33057	18.22029	0.050703333	359.3509302
22	L17	32609	CG15528	17.60984667	0.048109333	366.0380522
22	L18	32753	CG33188	15.39992667	0.045517667	338.3285611
22	L19	32617	CG15896	14.8015	0.04808	307.8514975
22	L20	32761	CG3719	14.86862	0.045107	329.6299909
22	L21	32673	CG31080	15.28174667	0.044427667	343.9691484
22	L22	32770	CG4268	6.469794667	0.042904667	150.794661
22	L23	32697	CG31755	3.711256	0.04709	78.81197707
22	L24	32791	CG5532	15.42659	0.046760333	329.907614
22	M01	31388	CG15566	19.71512333	0.057380667	343.584773
22	M02	32585	CG14563	12.69948333	0.061196	207.5214611
22	M03	31386	CG13678	13.81414	0.052054333	265.3792512
22	M04	32577	CG14260	12.63123	0.057416667	219.9923948
22	M05	31350	CG1365	14.69000333	0.049319667	297.8528511
22	M06	32514	CG1103	13.13297567	0.050947333	257.7755264
22	M07	21881	CG7109	5.279857333	0.075259667	70.15520487
22	M08	32522	CG11508	14.72294	0.056173333	262.0983859
22	M09	21907	CG7597	2.98491	0.057252333	52.13604103
22	M10	32530	CG12112	13.56018333	0.055202333	245.6451116
22	M11	21910	CG5671	14.31167	0.052954	270.26608
22	M12	32538	CG12404	14.62179667	0.050900333	287.2632792
22	M13	21880	CG4551	16.33327667	0.049334667	331.0709846
22	M14	32546	CG12929	12.76556667	0.047178	270.5830401
22	M15	21932	CG4965	15.68218333	0.055092667	284.6510122
22	M16	32554	CG1315	15.98059333	0.047709333	334.9573808
22	M17	21905	CG7122	14.24205667	0.054418333	261.714312

22	M18	32562	CG13457	12.08555333	0.047478	254.5505989
22	M19	21939	CG7062	13.09194	0.044529333	294.0070964
22	M20	32570	CG13891	13.68804667	0.049117333	278.6805744
22	M21	21935	CG5983	16.38016667	0.051077	320.6955512
22	M22	32594	CG14880	13.72284333	0.048264333	284.3267976
22	M23	32506	CG10219	15.02317667	0.046455	323.3920281
22	M24	32601	CG15267	15.73021667	0.052041333	302.2639056
22	N01	32649	CG30038	19.28431	0.065299667	295.3201905
22	N02	32777	CG4812	12.57448333	0.064543	194.8233477
22	N03	32625	CG17085	12.56622333	0.062613667	200.6945768
22	N04	32785	CG5382	11.89478667	0.064239	185.1645677
22	N05	32634	CG17784	13.32580667	0.051613667	258.1836852
22	N06	32706	CG31975	15.4014	0.056045333	274.8025408
22	N07	32642	CG18854	14.09326333	0.054445	258.8532158
22	N08	32714	CG32179	13.75638333	0.058184333	236.427618
22	N09	32658	CG30129	13.36187	0.058657333	227.7953879
22	N10	32722	CG32373	13.57175667	0.051761	262.200434
22	N11	32666	CG30383	15.07517	0.055537333	271.442093
22	N12	32730	CG32629	13.74106	0.053067	258.9379464
22	N13	32682	CG31287	14.78425	0.057130667	258.7795813
22	N14	32738	CG32856	16.11394	0.048698333	330.893049
22	N15	32690	CG31482	16.39022667	0.049666333	330.0067786
22	N16	32746	CG33060	14.69094667	0.048824333	300.8939532
22	N17	32610	CG15638	15.66123667	0.04929	317.736593
22	N18	32754	CG33192	12.86437	0.046457333	276.907198
22	N19	32618	CG15912	16.96935333	0.049874667	340.2399348
22	N20	32762	CG3862	15.24028	0.047349333	321.8689457
22	N21	32699	CG31812	17.52157333	0.045967333	381.1744572
22	N22	32771	CG4289	14.42891	0.041733333	345.740655
22	N23	32698	CG31779	15.76847333	0.046032	342.5545997
22	N24	32792	CG5543	16.85297667	0.048222667	349.4824702
22	O01	31400	CG15864	19.53716667	0.065263333	299.3590071
22	O02	32586	CG14670	15.91803667	0.061392333	259.2837868
22	O03	31399	CG14746	14.22302333	0.062210667	228.6267628
22	O04	32579	CG14313	13.69985333	0.065644	208.6992464
22	O05	31407	CG13324	11.44117	0.063594667	179.9076967
22	O06	32515	CG11110	16.68517667	0.06268	266.1961817
22	O07	21893	CG7115	15.0201	0.071960667	208.7265265
22	O08	32523	CG11539	16.69713667	0.071086667	234.8842258
22	O09	21919	CG32439	12.67975667	0.053867	235.3900657
22	O10	32531	CG12118	14.55911333	0.050799333	286.6004803
22	O11	21937	CG6562	14.82582333	0.058137667	255.0123557
22	O12	32539	CG12420	14.17143	0.060209	235.3706257
22	O13	21892	CG4583	15.50037667	0.057336667	270.3396896
22	O14	32547	CG12934	13.66078333	0.053695333	254.4128602
22	O15	21934	CG5701	16.72863667	0.061977333	269.9153992
22	O16	32555	CG13154	20.05518	0.056984	351.9440545
22	O17	21917	CG7134	12.84941	0.06075	211.5129218
22	O18	32563	CG13510	12.54083667	0.054329667	230.8285222
22	O19	21938	CG13418,CG6800	15.53266667	0.050055	310.3119901
22	O20	32571	CG13939	17.00820667	0.050999333	333.4986078
22	O21		wts	67.63863	0.052346667	1292.128693
22	O22		HFA17794	1.575476333	0.019616333	80.31451681
22	O23		hpo	45.84225333	0.045536	1006.725521

22	O24		Luc	2.776143667	0.058569667	47.39900062
22	P01	32650	CG30052	15.88108667	0.072062333	220.3798563
22	P02	32778	CG4836	15.71406	0.068392333	229.7634725
22	P03	32626	CG17122	15.88982667	0.067584667	235.1099362
22	P04	32786	CG5386	12.39919667	0.063460333	195.3849911
22	P05	32635	CG17807	13.58353333	0.064178333	211.6529462
22	P06	32707	CG32023	14.75591333	0.064281333	229.5520732
22	P07	32643	CG2046	12.70353	0.070032667	181.3943493
22	P08	32715	CG32224	12.07251	0.061624	195.9059782
22	P09	32659	CG30174	12.79769667	0.060609333	211.1505929
22	P10	32723	CG32437	13.30117	0.051855333	256.5053418
22	P11	32667	CG30404	13.66957667	0.045246333	302.1145728
22	P12	32731	CG32692	14.13879333	0.059228333	238.7167178
22	P13	32683	CG31301	12.72675	0.050820333	250.4263385
22	P14	32739	CG32983	13.31999	0.054026	246.5477733
22	P15	32691	CG31484	13.88554	0.060432667	229.7687785
22	P16	32747	CG33108	13.58511333	0.058849667	230.8443548
22	P17	32603	CG15390	13.42052667	0.051516667	260.5084439
22	P18	32755	CG33194	12.99365	0.049700333	261.4398964
22	P19	32627	CG17143	15.36606667	0.055295	277.8925159
22	P20	32763	CG3949	1.573586667	0.024784333	63.49118395
22	P21		wts	59.58761333	0.044553333	1337.444561
22	P22		HFA17794	1.317566	0.020709333	63.62184522
22	P23		hpo	45.34708667	0.050397333	899.7913911
22	P24		Luc	2.386	0.049725	47.98391151
23	A01		DIAP1	0.485612333	0.019834	24.48383248
23	A02		ex/ft	41.84017667	0.045064	928.4612255
23	A03		Luc	2.051407333	0.052721	38.91063017
23	A04		hpo	40.84001	0.043302333	943.1364746
23	A05	32796	CG5677	16.58318667	0.046287667	358.2636123
23	A06	17130	CG12851	11.012993	0.045617333	241.4212361
23	A07	32804	CG5964	13.25948033	0.049989333	265.2461925
23	A08	17210	CG12797	11.98101167	0.050499333	237.2508878
23	A09	32812	CG6258	13.42938333	0.054005333	248.6677242
23	A10	25588	CG15765	12.42401667	0.04673	265.8681076
23	A11	32828	CG6990	11.96496367	0.041196333	290.4375875
23	A12	16933	CG13934	12.77307333	0.048314333	264.3744093
23	A13	32836	CG7614	15.02830667	0.042145333	356.5829352
23	A14	16934	CG14017	10.49894333	0.040417333	259.7633853
23	A15	32860	CG8900	1.366948333	0.036475333	37.47596549
23	A16	16927	CG12910,CG18408	11.231152	0.046019	244.0546731
23	A17	32846	CG7931	15.50098	0.037983333	408.0995173
23	A18	16931	CG13229	12.20835333	0.037424667	326.2114114
23	A19	32854	CG8366	10.986713	0.048779667	225.2314079
23	A20	16926	CG14262	13.59889	0.042066	323.2750915
23	A21	17134	CG11849	14.38584	0.042917667	335.1962284
23	A22	16731	CG9001	15.49227333	0.044956333	344.6071373
23	A23	17127	CG1311,CG32253	5.630281333	0.046021667	122.3397965
23	A24	16737	CG9214	10.888282	0.043376333	251.0189581
23	B01		DIAP1	0.493875667	0.021946667	22.50344775
23	B02		ex/ft	41.48551333	0.047368667	875.8007403
23	B03		Luc	2.042899333	0.049927667	40.91718019
23	B04		hpo	41.91711	0.051772333	809.6430526
23	B05	17312	CG12924	12.43491333	0.046749333	265.9912441

23	B06	17847	CG13834	9.926813667	0.048212	205.8992298
23	B07	17309	CG13077	10.877722	0.056054333	194.0567545
23	B08	17843	CG30021	13.95167	0.046744333	298.4676217
23	B09	24339	CG9437	12.203512	0.042856333	284.753992
23	B10	17845	CG15862	11.89642967	0.044214	269.0647683
23	B11	24345	CG10802	14.72353	0.048559	303.2090859
23	B12	17851	CG32392	12.96771	0.044811667	289.3824525
23	B13	24336	CG11107	12.046615	0.040585	296.8243193
23	B14	17850	CG15617	12.04278867	0.043728	275.4022289
23	B15	24335	CG10984	15.53910667	0.042859	362.5634445
23	B16	17852	CG11940	14.15018	0.045970333	307.8111246
23	B17	24349	CG11241	12.18416333	0.047045	258.989549
23	B18	17846	CG12227,CG5357	11.738301	0.048712667	240.9701994
23	B19	24350	CG6172	13.05479667	0.046954	278.0337493
23	B20	17849	CG10822	12.44179933	0.043427667	286.4947691
23	B21	24353	CG9686	14.11256	0.038809	363.6414234
23	B22	31604	CG31991	11.61857333	0.043904667	264.6318539
23	B23	24355	CG9866	15.16709667	0.034022667	445.7938825
23	B24	31603	CG30440	12.99712	0.040551667	320.5076651
23	C01	32869	CG9629	15.19617333	0.047318667	321.1454253
23	C02	17129	CG12832	13.3455	0.046261667	288.478582
23	C03	32822	CG6751	17.37407667	0.043406667	400.2628628
23	C04	17136	CG11997	17.08681333	0.041713	409.6280136
23	C05	32797	CG5725	11.71969133	0.044969667	260.6132578
23	C06	17142	CG12860	14.64343667	0.047442667	308.6554297
23	C07	32805	CG5969	13.69115	0.048794	280.5908513
23	C08	25593	CG14866	12.20904333	0.038950333	313.4515751
23	C09	32813	CG6279	18.35909333	0.046271	396.7732129
23	C10	25592	CG31688,CG31687	13.17543667	0.040048333	328.988389
23	C11	32829	CG7038	8.924269333	0.040903667	218.1777347
23	C12	16937	CG14196	15.34780333	0.043938	349.3059159
23	C13	32837	CG7636	14.57734	0.042354667	344.1731726
23	C14	16946	CG14022	11.56195333	0.043021667	268.7472204
23	C15	32861	CG8908	16.75718	0.048763333	343.6430378
23	C16	17009	CG14260,CG5954	12.68459333	0.045215	280.5394965
23	C17	32847	CG8014	13.04068667	0.048643667	268.0860133
23	C18	16943	CG13232	13.1227	0.039978	328.2480364
23	C19	32855	CG8461	16.19624	0.042029333	385.3556246
23	C20	16940	CG12983	16.11516	0.046318333	347.9218452
23	C21	17147	CG33095	14.8443	0.040313	368.2261305
23	C22	16743	CG9004	13.49790333	0.040598667	332.4715918
23	C23	17139	CG11604	17.37656333	0.039108	444.3224745
23	C24	16762	CG16853,CG9263	14.34283667	0.03774	380.0433669
23	D01	17318	CG13040	16.94912667	0.057414	295.2089502
23	D02	17860	CG15780	15.82298667	0.049795333	317.7604327
23	D03	17329	CG13026	15.79314333	0.055697	283.5546499
23	D04	17853	CG31012	14.41462	0.047599	302.8345133
23	D05	17324	CG12927	15.67455333	0.056947667	275.2448739
23	D06	17859	CG14395	14.17983333	0.045473	311.8297305
23	D07	17391	CG12902	14.84256333	0.044758667	331.6131699
23	D08	17855	CG14228	20.59188	0.046979667	438.3147319
23	D09	24351	CG9472	16.57798333	0.050408333	328.8738634
23	D10	17857	CG10718	14.86154667	0.044803333	331.7062719
23	D11	24357	CG10840	13.13279333	0.045408333	289.2154891

23	D12	17863	CG31045	15.10567	0.048035	314.4721557
23	D13	24348	CG11111	14.82250667	0.039535	374.9211247
23	D14	17844	CG10642	13.04819	0.038876667	335.6303695
23	D15	24347	CG10997	12.49800667	0.039388333	317.3022469
23	D16	17842	CG10234	14.35577	0.04671	307.3382573
23	D17	24361	CG11266	7.062851667	0.047148	149.8017237
23	D18	17858	CG12230	25.35446	0.057482333	441.0826515
23	D19	24362	CG6175	16.55179333	0.045846667	361.0250109
23	D20	17861	CG10933	13.78847	0.044001	313.3671962
23	D21	24365	CG9689	14.72078667	0.037982667	387.5659073
23	D22	31635	CG18769	16.24093333	0.040575	400.2694598
23	D23	24423	CG31183,CG9632	17.07789667	0.042665667	400.2725845
23	D24	31657	CG2666	15.67110667	0.039592	395.8149795
23	E01	32870	CG9632	24.04990667	0.048053333	500.4836293
23	E02	17141	CG12835	17.93619	0.042674	420.3072128
23	E03	32823	CG6770	18.64900667	0.0441	422.8799698
23	E04	17148	CG12003	19.39180333	0.045149333	429.5036472
23	E05	32798	CG5727	17.79727333	0.041401667	429.8685238
23	E06	17154	CG12862	16.26930333	0.045835667	354.9485481
23	E07	32806	CG6009	19.65301	0.039310667	499.9408981
23	E08	25635	CG15712	18.81786667	0.04076	461.6748446
23	E09	32814	CG6294	18.62439	0.04606	404.3506296
23	E10	16941	CG13053	18.07482	0.038641333	467.758704
23	E11	32830	CG7126	19.66816333	0.042229667	465.7428032
23	E12	16957	CG13949	17.21082	0.047443667	362.7632771
23	E13	32838	CG7655	22.86256667	0.04308	530.7002476
23	E14	16958	CG14023	14.78797667	0.040636	363.9131968
23	E15	32862	CG8910	19.78980667	0.041140333	481.0317531
23	E16	16951	CG12917	17.47992333	0.038715	451.5026045
23	E17	32848	CG8016	18.60605333	0.044486667	418.2388731
23	E18	16956	CG13843	17.83762	0.039007333	457.2888859
23	E19	32856	CG8481	18.71111333	0.040165667	465.8484444
23	E20	16950	CG14292	19.96467	0.039082	510.8405404
23	E21	17143	CG11666	21.75030333	0.039828333	546.1012679
23	E22	16760	CG9154,CG9159	16.54100667	0.037064333	446.2782729
23	E23	17145	CG11767	18.98937333	0.041219333	460.6909379
23	E24	16759	CG9077	17.02546	0.035641667	477.6841711
23	F01	17340	CG13005	21.69619667	0.057072667	380.1503931
23	F02	17872	CG15803	16.95627333	0.047404	357.6971001
23	F03	17334	CG13090	21.79917667	0.046721333	466.5786507
23	F04	17865	CG12276	24.98632	0.076223667	327.802651
23	F05	17337	CG12948	19.32780667	0.05011	385.7075767
23	F06	17871	CG14434	19.62672333	0.044567667	440.3803206
23	F07	17371	CG12920	20.27761	0.044168333	459.0983736
23	F08	17867	CG8760	19.09337	0.048314333	395.1905922
23	F09	24363	CG9483	16.56526333	0.042362333	391.0375569
23	F10	17869	CG10834	15.56423333	0.044929333	346.415853
23	F11	24358	CG6011	14.35896667	0.056764333	252.9575496
23	F12	17875	CG10236	17.89965333	0.042446	421.704126
23	F13	24360	CG11125	12.86826667	0.044425	289.6627274
23	F14	17856	CG11427	16.48335333	0.036886333	446.8688493
23	F15	24415	CG10743	14.72924	0.043354667	339.7382827
23	F16	17854	CG10255	18.02003333	0.039478	456.4576051
23	F17	24373	CG11274	13.94531667	0.040833	341.5207471

23	F18	17878	CG10536	16.59782667	0.040593333	408.8806044
23	F19	24391	CG10722	19.82157667	0.042463667	466.7890981
23	F20	17921	CG12393	14.17367667	0.039822333	355.9228071
23	F21	24366	CG9804	19.50499667	0.040353	483.3592711
23	F22	31626	CG32025	18.81433333	0.042509333	442.5929992
23	F23	24379	CG9880	18.75501	0.042050667	446.0098136
23	F24	31625	CG31641	18.93335667	0.033329	568.0745497
23	G01	32871	CG9650	14.06404	0.042268	332.7349295
23	G02	17153	CG12836	17.24291	0.048982667	352.0206468
23	G03	32824	CG6781	16.68608333	0.051072333	326.7147249
23	G04	17160	CG12011	18.82664667	0.041677667	451.7202658
23	G05	32799	CG5780	16.51444333	0.044211	373.536978
23	G06	17149	CG12723	21.07868	0.042067333	501.0700306
23	G07	32807	CG6164	19.24469	0.043132667	446.1743613
23	G08	25647	CG15717,CG32638	15.5069	0.042500667	364.862512
23	G09	32815	CG6325	17.27339333	0.046255	373.4384031
23	G10	16953	CG13057,CG33060	16.00471	0.040401	396.1463825
23	G11	32831	CG7274	5.983652667	0.033280333	179.7954548
23	G12	16969	CG14000,CG14001	17.22419333	0.049236667	349.824521
23	G13	32839	CG7698	31.20232667	0.042349	736.7901643
23	G14	16990	CG30040	20.40282	0.038584333	528.7850855
23	G15	32863	CG8974	16.96390333	0.039030333	434.6338318
23	G16	16963	CG12918,CG2249	20.03058667	0.042547333	470.7835979
23	G17	32849	CG8069	20.38317	0.039230667	519.5723584
23	G18	16967	CG13240	20.48573333	0.036499	561.2683453
23	G19	32857	CG8617	22.00078	0.038908667	565.4467728
23	G20	16936	CG14098	17.72953	0.035763	495.7506361
23	G21	17193	CG11815	29.27981667	0.040906667	715.7712679
23	G22	16811	CG10068	15.29868	0.034509667	443.3157859
23	G23	17157	CG11768,CG8223	19.19634333	0.023350667	822.0897333
23	G24	16771	CG9079	17.93571	0.032292667	555.4112389
23	H01	17352	CG13008	22.06097	0.047504333	464.3991074
23	H02	17884	CG15804	18.86372667	0.047165667	399.9461473
23	H03	17344	CG13067	16.23934333	0.043673333	371.8365898
23	H04	17877	CG12467	15.31986	0.050145333	305.5091866
23	H05	17348	CG12932	16.56713667	0.049851333	332.3308638
23	H06	17883	CG14507	13.79272333	0.045389333	303.8758739
23	H07	17345	CG13081	13.47787667	0.054828333	245.819558
23	H08	17879	CG9068	17.43430333	0.039556667	440.7424791
23	H09	24387	CG9601	17.73299	0.043723	405.5757839
23	H10	17881	CG10838	16.61836667	0.041220333	403.159444
23	H11	24370	CG6066	14.33913333	0.043311	331.0737072
23	H12	17887	CG10254	13.80942667	0.043166667	319.9094981
23	H13	24372	CG11132	24.21706333	0.049269	491.5273972
23	H14	17868	CG11495	17.70362667	0.046136667	383.7214074
23	H15	24371	CG11006	8.495869667	0.039194667	216.7608603
23	H16	17888	CG9155	16.00206333	0.040401	396.0808726
23	H17	24384	CG11276	1.981640333	0.033611333	58.95750441
23	H18	17890	CG11759	13.70203333	0.040299667	340.0036394
23	H19	24403	CG10739	15.02429	0.038368667	391.5770681
23	H20	31599	CG13551	16.20233333	0.035227667	459.932061
23	H21	24378	CG9820	16.36890667	0.037689667	434.3075467
23	H22	31637	CG32278	20.89698333	0.035897333	582.1319132
23	H23	24427	CG10755	18.67206333	0.033646667	554.9454131

23	H24	31636	CG31710	19.77018	0.038171667	517.9281317
23	I01	32872	CG9668	22.19796333	0.047253667	469.7617116
23	I02	17165	CG12838	16.74181667	0.052114333	321.251671
23	I03	32825	CG6800	17.09684333	0.050385333	339.3218265
23	I04	17164	CG12822	18.40589333	0.052477333	350.739875
23	I05	32800	CG5915	16.49421333	0.070744	233.1535301
23	I06	17174	CG12784	13.40233	0.045302333	295.841936
23	I07	32808	CG6167	20.00667667	0.049769333	401.9880381
23	I08	25630	CG11170,CG30279	15.67001333	0.046509	336.9243229
23	I09	32816	CG6435	15.20858333	0.048123667	316.0312667
23	I10	16965	CG13059	14.61199333	0.046017	317.5346792
23	I11	32832	CG7354	17.79565333	0.046394	383.5766119
23	I12	16985	CG14252	13.59788	0.044855333	303.1496812
23	I13	32840	CG7700	17.37029333	0.049805333	348.7637201
23	I14	17002	CG13188	14.88254667	0.045804	324.9180566
23	I15	32864	CG9091	1.823780667	0.038627	47.21517764
23	I16	16954	CG13131	16.37349667	0.043191667	379.0892533
23	I17	32850	CG8116	10.40265067	0.048962667	212.4608681
23	I18	16980	CG13855	14.56502667	0.041295333	352.7039375
23	I19	32858	CG8712	15.21379	0.042349667	359.2422609
23	I20	16948	CG14102	13.92134	0.041996333	331.4894157
23	I21	17182	CG11927	15.64742333	0.041011	381.5421066
23	I22	16784	CG9168	14.48447	0.038418	377.02301
23	I23	17169	CG11770	15.33343	0.037959667	403.9400592
23	I24	16798	CG9305	13.57391667	0.033704	402.7390419
23	J01	17364	CG13010	19.32171333	0.049880667	387.3587629
23	J02	17896	CG15844	14.01117667	0.045964667	304.824938
23	J03	17356	CG13070	13.16029333	0.055192667	238.4427883
23	J04	17892	CG11734	14.11743	0.048101333	293.4935276
23	J05	17360	CG11887,CG12934	14.23363333	0.054076667	263.2121063
23	J06	17895	CG14622	9.811887667	0.045829	214.0977911
23	J07	17395	CG12923	15.25314667	0.051274	297.4830648
23	J08	17891	CG9206	15.54650333	0.049109	316.5713685
23	J09	24386	CG9511	17.48271333	0.047254333	369.9705847
23	J10	17893	CG10839	9.671364	0.038895333	248.6510121
23	J11	24392	CG10868	12.0067	0.040781667	294.4141567
23	J12	17899	CG10541	8.972202667	0.044676	200.8282448
23	J13	24411	CG9624	14.01048	0.046902333	298.7160553
23	J14	17898	CG9086	2.719794333	0.038709333	70.26197816
23	J15	24393	CG6108	16.31141	0.043203667	377.5468903
23	J16	17900	CG9326	14.78222	0.048393	305.461947
23	J17	24396	CG11303	17.68478	0.041538333	425.7460177
23	J18	17902	CG11807	13.28913333	0.042648333	311.5979522
23	J19	24397	CG9383	32.06491667	0.046256667	693.1955754
23	J20	31610	CG13739	12.76166767	0.037544667	339.9062716
23	J21	24400	CG9750	7.456762667	0.04922	151.498632
23	J22	31648	CG32435	11.88688	0.046647667	254.8226063
23	J23	24402	CG9928	14.84696333	0.042503667	349.3101772
23	J24	31679	CG30438	14.87066333	0.037424	397.3563311
23	K02	17138	CG12755	15.78633333	0.053916667	292.7913447
23	K03	32826	CG6878	13.23581333	0.049599333	266.854662
23	K04	17176	CG12824	17.58046333	0.048618	361.6040013
23	K05	32801	CG5919	12.65144	0.047469333	266.5181731
23	K06	17209	CG12730	15.33115667	0.048973	313.053247

23	K07	32809	CG6171	13.71787	0.053709	255.4110112
23	K08	25643	CG31632	14.34877333	0.049410667	290.3982946
23	K09	32817	CG6503	15.60513333	0.043453333	359.1239644
23	K1	32873	CG9723	15.20801333	0.047807	318.1126892
23	K10	16977	CG13088	16.20084667	0.046474667	348.5952203
23	K11	32833	CG7496	14.06822	0.052121333	269.9128956
23	K12	16993	CG31645	13.73105333	0.051161	268.3890724
23	K13	32841	CG7756	10.60300533	0.041907	253.0127505
23	K14	16994	CG14034	13.31483333	0.042063667	316.5400068
23	K15	32865	CG9171	12.54190667	0.045610333	274.9795003
23	K16	16987	CG12929,CG1818	14.31023667	0.051925333	275.5925817
23	K17	32851	CG8189	10.92256667	0.046357	235.618497
23	K18	16992	CG13870	12.51287	0.045447667	275.3248058
23	K19	17180	CG11732	14.94994667	0.049954667	299.2702717
23	K20	16960	CG14130	14.58021333	0.045339	321.5821552
23	K21	17194	CG11928	14.33078	0.045913	312.1290266
23	K22	16796	CG9188	12.58841333	0.038792	324.510552
23	K23	17205	CG11816	15.38483333	0.049943667	308.0437293
23	K24	16797	CG9247	14.43786333	0.03814	378.5491173
23	L01	17376	CG13014	18.29257	0.054943	332.9372259
23	L02	17908	CG16757	16.09905	0.054788667	293.8390543
23	L03	17375	CG12984	15.90429333	0.058174	273.3917787
23	L04	17901	CG32528	16.02970333	0.052552	305.025562
23	L05	17372	CG12936	16.10037667	0.059321667	271.4080297
23	L06	17907	CG14782	10.89033067	0.050029333	217.6789084
23	L07	17402	CG13055	12.58528667	0.045042667	279.4081167
23	L08	17903	CG10163	15.38474333	0.047493333	323.9347979
23	L09	24398	CG9519	16.32256333	0.048561667	336.1203281
23	L10	17905	CG11124	14.59848333	0.045606667	320.0953808
23	L11	24404	CG10882	14.15072	0.047735333	296.4412106
23	L12	17911	CG10653	12.69074333	0.046312333	274.0251337
23	L13	24395	CG11143	16.15033333	0.048687	331.7175701
23	L14	17910	CG9279	9.476325333	0.035751667	265.0596802
23	L15	24394	CG11061	14.26670667	0.042290667	337.348824
23	L16	17912	CG10047	15.07327333	0.050018	301.3569782
23	L17	24408	CG11306	16.61893667	0.048596333	341.9792303
23	L18	17906	CG12581	12.74332667	0.044949	283.5063442
23	L19	24409	CG8312,CG9424	13.10582333	0.042582333	307.776073
23	L20	31654	CG16778	9.224217667	0.043231333	213.3687989
23	L21	24401	CG9825	17.27131333	0.045391333	380.4980393
23	L22	31613	CG1765	12.15030667	0.043863667	277.0016187
23	L23	24414	CG9936	7.794389333	0.038782667	200.9761062
23	L24	31658	CG31762	16.83054333	0.043938333	383.0491977
23	M01	32874	CG9762	17.89516667	0.055802	320.6904173
23	M02	17195	CG30131	12.13830367	0.051549333	235.4696537
23	M03	32827	CG6972	14.72191	0.045842	321.1445836
23	M04	17188	CG12826	14.24119667	0.050251333	283.3993791
23	M05	32802	CG5933	15.03294667	0.052230333	287.8202322
23	M06	17198	CG33066	14.02976667	0.051690333	271.4195433
23	M07	32810	CG6216	17.14711667	0.047694	359.5235599
23	M08	25661	CG10790	11.87420667	0.047267333	251.2138052
23	M09	32818	CG6520	14.57248	0.049847333	292.3422182
23	M10	16989	CG13094	12.00206933	0.043472333	276.0852343
23	M11	32834	CG7562	13.24092667	0.049776333	266.0084779

23	M12	17005	CG14005	13.80041	0.046867	294.459001
23	M13	32842	CG7798	13.01123	0.044922	289.640488
23	M14	17006	CG14047	13.43719333	0.046351333	289.8987444
23	M15	32859	CG8750	10.55952	0.04716	223.9083969
23	M16	16978	CG13148	11.92221533	0.046215667	257.9691302
23	M17	32793	CG5569	15.48180667	0.046768333	331.0318235
23	M18	17003	CG13277	10.602771	0.050403667	210.3571367
23	M19	17191	CG11692	16.66480667	0.042812	389.2555047
23	M20	16972	CG14141	13.75275333	0.040801333	337.0662723
23	M21	17206	CG11929	15.45171333	0.038779667	398.4488435
23	M22	16803	CG9038	11.55930667	0.040646333	284.3874396
23	M23	17199	CG11634	15.4629	0.041762667	370.256529
23	M24	16807	CG9121	16.26536	0.044819667	362.9067597
23	N01	17388	CG13021,CG32791	16.67556	0.054149	307.9569336
23	N02	17885	CG11217	10.834061	0.034557	313.512776
23	N03	17387	CG12994	15.91633667	0.057761667	275.5518943
23	N04	17913	CG13521	15.52542667	0.052757667	294.2781144
23	N05	17385	CG12960	13.28267	0.049109667	270.4695613
23	N06	17919	CG14900	14.18975333	0.055266	256.7537606
23	N07	17393	CG13085	14.72707667	0.047328	311.170484
23	N08	17915	CG10362	14.20366667	0.045861333	309.7089778
23	N09	24410	CG9521	12.72857667	0.048033667	264.9928175
23	N10	17917	CG11259	14.42444333	0.048024667	300.3548871
23	N11	24416	CG10901	15.00862	0.051181	293.2459311
23	N12	17923	CG11525	13.13731333	0.055621333	236.1919887
23	N13	24407	CG11181	14.10505333	0.042682333	330.4658446
23	N14	17922	CG9313	15.49581667	0.042538667	364.2760312
23	N15	24406	CG11089	14.62287333	0.043478667	336.3229477
23	N16	17924	CG10083	15.85286	0.043175333	367.1740037
23	N17	24420	CG11330	16.89184	0.039987	422.4332908
23	N18	17918	CG13466	13.77931333	0.044461667	309.9144581
23	N19	24364	CG32982	16.52585333	0.039703333	416.2333977
23	N20	31665	CG17193	13.52239667	0.039223333	344.753888
23	N21	24413	CG9837	16.21229	0.042421333	382.1730419
23	N22	31624	CG18549	11.42455033	0.041412	275.8753582
23	N23	17841	CG11168	13.60843667	0.041155	330.6630219
23	N24	31669	CG31814	17.73699	0.044093333	402.26013
23	O01	32875	CG9863	18.86243667	0.057396667	328.6329636
23	O02	17201	CG12844	16.43738	0.056115	292.9231043
23	O03	32795	CG5585	7.569618	0.053020333	142.7682084
23	O04	17208	CG12715	14.58763333	0.047318333	308.2871332
23	O05	32803	CG5934	15.04817333	0.056466333	266.4981493
23	O06	17197	CG12729	18.26843	0.054372	335.9896638
23	O07	32811	CG6233	6.064667667	0.057644333	105.2083928
23	O08	25669	CG15547	11.43745	0.045411667	251.8614893
23	O09	32819	CG6533	13.96124333	0.050024333	279.0890433
23	O10	17001	CG13097	12.047094	0.058532667	205.8183009
23	O11	32835	CG7584	13.10240667	0.049976	262.1739768
23	O12	17017	CG14013	13.72591333	0.053077	258.6037895
23	O13	32843	CG7885	11.26040567	0.034801333	323.5624784
23	O14	17018	CG14064	15.08005667	0.043626333	345.6640867
23	O15	32867	CG9424	14.1116	0.046607333	302.7763871
23	O16	17011	CG32436	12.64146333	0.043643	289.6561495
23	O17	32794	CG5576	20.80888333	0.048591667	428.239753

23	O18	17016	CG13917	12.16086333	0.047810667	254.3546071
23	O19	17203	CG11693	17.04778333	0.042809333	398.2258542
23	O20	17012	CG13032	14.14620667	0.038109667	371.197334
23	O21		wts	64.02753	0.043232667	1480.998859
23	O22		HFA17794	1.436652	0.017598	81.6372315
23	O23		hpo	45.39871667	0.038812667	1169.68816
23	O24		Luc	3.087302	0.044173667	69.89010044
23	P01	17390	CG13054	18.18251	0.060273333	301.66757
23	P02	17897	CG12075	8.821907	0.050387667	175.0806811
23	P03	17401	CG13038	13.90599333	0.052557333	264.5871176
23	P04	17925	CG14902	11.84531333	0.05356	221.1596963
23	P05	17397	CG30464,CG30468	13.90486333	0.047374667	293.5084152
23	P06	17931	CG31275	12.49644333	0.050313333	248.3723996
23	P07	24381	CG6067	12.294679	0.050584667	243.0514978
23	P08	17927	CG10617	15.18243333	0.049124333	309.0613613
23	P09	24422	CG31886	11.26701667	0.046043667	244.7028545
23	P10	17916	CG12042	12.94706667	0.052736667	245.5040769
23	P11	24428	CG10955	6.882338667	0.048454	142.0386071
23	P12	17926	CG11949	14.51268333	0.049471333	293.3554112
23	P13	24419	CG11199	12.71268333	0.044985333	282.5961795
23	P14	17934	CG9325	13.84183333	0.047188667	293.329613
23	P15	24418	CG11092	5.707657333	0.037058667	154.0168022
23	P16	17928	CG14296	12.35026333	0.043118333	286.4271965
23	P17	24417	CG6138	13.00577333	0.039503	329.2350792
23	P18	17930	CG13809	15.32393667	0.048922667	313.2277472
23	P19	24376	CG9589	16.69072	0.040895667	408.1293047
23	P20	31676	CG17378	13.68511333	0.036894667	370.9238914
23	P21		wts	58.55767667	0.041816667	1400.343005
23	P22		HFA17794	1.263599	0.020023333	63.10632595
23	P23		hpo	40.47493333	0.045223333	895.0011056
23	P24		Luc	2.866695333	0.043813667	65.42924963
24	A01		DIAP1	0.564618	0.019508333	28.94240068
24	A02		ex/ft	40.80258	0.043718333	933.3059357
24	A03		Luc	1.853444333	0.045718333	40.54050527
24	A04		hpo	36.77370667	0.043741333	840.708407
24	A05	31607	CG6007	13.31962667	0.040059667	332.4946954
24	A06	25853	CG13427	10.23422167	0.041373667	247.3607609
24	A07	25964	CG14436	11.00152533	0.049068333	224.2082538
24	A08	25872	CG30259	11.99935333	0.044527667	269.4808471
24	A09	31504	CG7941	12.69046333	0.045222	280.6258753
24	A10	25876	CG13585,CG13592	12.93612667	0.039888	324.3112381
24	A11	31509	CG6900	12.10654667	0.045977333	263.3155468
24	A12	28075	CG14294	12.17954333	0.047785	254.8821457
24	A13	31506	CG10344	12.36780667	0.046335333	266.9195574
24	A14	28078	CG12955	12.59117667	0.039701333	317.147451
24	A15	31505	CG2033	1.706431	0.037838	45.09834029
24	A16	28079	CG1660	15.54656	0.042118	369.1191415
24	A17	31520	CG9120	12.82939	0.043144333	297.3597923
24	A18	28082	CG12384	10.839744	0.046700667	232.111119
24	A19	31527	CG18259	12.20481	0.052036667	234.5425021
24	A20	28076	CG5680	16.55076333	0.046028667	359.5751199
24	A21	31524	CG15058	12.24941667	0.042859333	285.8051144
24	A22	21466	CG31481	11.54047333	0.045556333	253.3231384
24	A23	31526	CG15646	8.845818333	0.034261	258.1891461

24	A24	21464	CG10695,CG17717,CG3960	14.80465333	0.041283333	358.6109003
24	B01		DIAP1	0.486091333	0.022381	21.71892826
24	B02		ex/ft	39.36893667	0.051001333	771.9197537
24	B03		Luc	2.014098667	0.053205	37.85543965
24	B04		hpo	38.82493667	0.046963667	826.7015636
24	B05	21467	CG17977,CG8715	12.68707333	0.047804	265.3977352
24	B06	16836	CG11761,CG12891	11.3898	0.052486667	217.0036835
24	B07	21469	CG18234	12.56185667	0.043961667	285.7456875
24	B08	17946	CG2264	14.44551	0.050858	284.0361398
24	B09	21521	CG6864	13.63433667	0.051597	264.2466939
24	B10	17947	CG2685	3.836876667	0.046179	83.08704534
24	B11	29408	CG31059	12.37124	0.048879667	253.095834
24	B12	17945	CG2194	14.25717333	0.055392	257.3868669
24	B13	29403	CG30479	20.52656667	0.042866	478.854259
24	B14	17942	CG2050	14.30059	0.045772	312.4309622
24	B15	29397	CG30442	13.24390333	0.04375	302.7177905
24	B16	17939	CG3798	10.090722	0.045368	222.4193705
24	B17	29404	CG30491	12.90361667	0.048192667	267.750626
24	B18	17937	CG1857	10.63477433	0.046994667	226.2974735
24	B19	29406	CG31019	14.77397333	0.042170333	350.3404447
24	B20	17941	CG1910	9.668806	0.043341667	223.0833917
24	B21	29414	CG30470	10.306373	0.041483667	248.4441186
24	B22	17955	CG2097	17.53682667	0.047949333	365.7366109
24	B23	29417	CG31003	12.29305667	0.038772667	317.0547121
24	B24	17952	CG3878	12.81036	0.038137667	335.8978438
24	C01	31605	CG3427	12.525108	0.048173333	260.000858
24	C02	25783	CG12655	14.59116333	0.041878	348.4207301
24	C03	31611	CG9071	12.60548333	0.046876667	268.9074166
24	C04	25775	CG12667	12.09437733	0.041006667	294.9368558
24	C05	31631	CG8276	14.03747	0.049825	281.7354742
24	C06	25845	CG13474	14.73096	0.050727333	290.3949219
24	C07	25976	CG14442	14.78162667	0.047909	308.5354874
24	C08	25882	CG13698	12.95046333	0.044724	289.564067
24	C09	31516	CG8087	12.72655333	0.045868333	277.4583772
24	C10	25883	CG13512	13.71569	0.040039	342.5582557
24	C11	31521	CG8893	10.44206867	0.045707	228.4566624
24	C12	28087	CG14363	12.81568233	0.046124	277.8527954
24	C13	31518	CG10388	13.93392667	0.048706	286.0823444
24	C14	28090	CG14199	12.64174333	0.038364	329.5209919
24	C15	31517	CG2071	14.16300667	0.045164667	313.585989
24	C16	28091	CG2852	15.22974333	0.044665	340.977126
24	C17	31532	CG9337	13.27158	0.043761667	303.2695281
24	C18	28094	CG12610	12.79615667	0.041355667	309.4172504
24	C19	31590	CG13471	12.1316	0.045037	269.3696294
24	C20	28081	CG9338	13.28585667	0.042305	314.0493244
24	C21	31536	CG15295	11.93808333	0.032732	364.7220864
24	C22	21478	CG17912	6.268195667	0.035949	174.3635613
24	C23	31538	CG12708	14.28270667	0.042640667	334.9550507
24	C24	21476	CG31388,CG31441	18.76426333	0.040216667	466.5792789
24	D01	21475	CG6985	16.84903667	0.059285	284.2040426
24	D02	29423	CG31088	16.04094667	0.051755	309.940038
24	D03	21483	CG18505	14.13455667	0.054636333	258.7025118
24	D04	29470	CG31082	16.41842333	0.053191333	308.6672641
24	D05	21516	CG18145	12.04589567	0.053450333	225.3661468

24	D06	16846	CG11563,CG1873	12.64747333	0.049384	256.1046763
24	D07	21481	CG18287	13.26796667	0.045371333	292.4306096
24	D08	17958	CG2286	12.12605667	0.047744333	253.9789713
24	D09	21533	CG6883	17.54083667	0.047284333	370.9650836
24	D10	17959	CG2691	7.301993	0.044432667	164.3383922
24	D11	29420	CG31060	14.91891	0.051557667	289.3635605
24	D12	17957	CG2200	14.48404667	0.045625667	317.4539185
24	D13	29473	CG30467	15.85457667	0.049539333	320.0401701
24	D14	17954	CG2054	16.0402	0.040721667	393.8984161
24	D15	29410	CG3107	13.23424333	0.044566667	296.9538519
24	D16	17951	CG3811	10.93693833	0.041682333	262.3878622
24	D17	29416	CG30496	17.23479	0.055476333	310.6692343
24	D18	17949	CG1863	13.27215333	0.044177667	300.4267616
24	D19	29418	CG31020	13.72567333	0.046701333	293.9032433
24	D20	17953	CG1960	12.93604033	0.045568667	283.8801589
24	D21	29426	CG30472	17.76693333	0.043225333	411.0305685
24	D22	17967	CG2098	16.05434667	0.044071667	364.2781833
24	D23	29429	CG31007	15.74591667	0.035259	446.5786513
24	D24	17964	CG3881	12.72567667	0.036782	345.9756584
24	E01	31616	CG3479	19.44090667	0.046891333	414.5948789
24	E02	25795	CG12656	18.72040333	0.041408333	452.0926545
24	E03	31622	CG9410	10.24912233	0.049942333	205.2191327
24	E04	25800	CG12691	17.99962667	0.05081	354.2536246
24	E05	31629	CG6174	20.98406667	0.052179	402.155401
24	E06	25897	CG13542	18.76803333	0.040349667	465.1347801
24	E07	25978	CG14492	16.38223667	0.04469	366.5749981
24	E08	25877	CG13607	17.4867	0.044383667	393.9895307
24	E09	31528	CG8234	18.74816	0.046617	402.1743141
24	E10	25900	CG13594	16.12589333	0.044837	359.6559389
24	E11	31533	CG9123	16.61356667	0.04765	348.6582721
24	E12	28099	CG14520	16.02212333	0.045841	349.5151357
24	E13	31530	CG10539	19.66695667	0.041236667	476.9288659
24	E14	28102	CG32532	16.30865667	0.044397333	367.3341492
24	E15	31529	CG2885	19.24911667	0.04194	458.9679701
24	E16	28103	CG32576,CG3560	7.228843667	0.039099667	184.8824883
24	E17	31543	CG33104	19.13473667	0.041297667	463.3369924
24	E18	28106	CG12626	15.92936667	0.039632667	401.9251796
24	E19	31535	CG14266	16.32366333	0.037665	433.3907695
24	E20	28108	CG16849	17.30437	0.038143333	453.666958
24	E21	31542	CG12073	15.03297667	0.036555333	411.2389437
24	E22	21477	CG17816	15.17894333	0.041670333	364.2625849
24	E23	31548	CG11942	16.59518	0.036798333	450.9764029
24	E24	21548	CG16901	14.99714	0.035307667	424.7559076
24	F01	21487	CG6986	15.34165667	0.052016	294.9411079
24	F02	29460	CG31109	11.531331	0.055024333	209.5678457
24	F03	21495	CG18506	16.91274	0.05423	311.8705514
24	F04	16851	CG10571	14.53501667	0.047280333	307.422043
24	F05	21506	CG18437	15.78255667	0.046585667	338.785678
24	F06	16850	CG11873	16.14938667	0.043412	372.0028256
24	F07	21493	CG18321,CG32845	14.6069	0.045581	320.4602795
24	F08	17970	CG2304	14.69333333	0.045845667	320.4955757
24	F09	21554	CG18493	14.58012333	0.042946333	339.4963482
24	F10	17971	CG2698	11.01214333	0.044075333	249.8482144
24	F11	29432	CG31061	14.59665667	0.044520333	327.8649456

24	F12	17969	CG2221	2.73717	0.040762333	67.14949259
24	F13	29427	CG33184	15.75615333	0.045122667	349.1848886
24	F14	18016	CG2182	14.52084	0.039662667	366.1085151
24	F15	29422	CG31076	14.68159333	0.038179333	384.5429464
24	F16	17963	CG3820	8.486491667	0.043794667	193.7791131
24	F17	29428	CG30498	15.91583667	0.038695	411.3150709
24	F18	17986	CG3772	16.02346	0.043981667	364.321346
24	F19	29430	CG31021	16.13473667	0.039886	404.5213024
24	F20	18028	CG2186	18.2184	0.039394667	462.4585392
24	F21	29438	CG30473	17.10346	0.042527333	402.1756988
24	F22	17979	CG2110	16.75826333	0.041976	399.2344038
24	F23	29441	CG31008	17.20945667	0.037508667	458.8128077
24	F24	17976	CG3925	18.12541667	0.037174333	487.5787954
24	G01	31627	CG3567	21.72253	0.045001667	482.7050109
24	G02	25801	CG13300	14.81725667	0.048521667	305.3740253
24	G03	31633	CG9422	11.16619333	0.049047333	227.6615786
24	G04	25816	CG18273	15.86593667	0.048535	326.8968099
24	G05	31640	CG6827	16.47912667	0.048405	340.442654
24	G06	25878	CG13624	17.35267667	0.044366667	391.1196844
24	G07	26015	CG13728	19.38937	0.046531667	416.6919302
24	G08	25906	CG13701	16.11499367	0.046187667	348.9025281
24	G09	31540	CG8577	19.14751333	0.049360333	387.9129666
24	G10	25892	CG31104,CG31300	18.88884333	0.043867333	430.5901886
24	G11	31544	CG1304	18.07149333	0.039564667	456.7583871
24	G12	28111	CG14534	16.06655333	0.047856	335.7270422
24	G13	31541	CG1066	16.8835	0.040073333	421.315089
24	G14	28114	CG15369	17.13694333	0.043432	394.5695186
24	G15	31545	CG1394	13.72259	0.043188	317.7408076
24	G16	28080	CG6610	12.62697333	0.046126	273.7495845
24	G17	31555	CG11700	0.468147667	0.019611	23.87168766
24	G18	28077	CG6733	20.70943333	0.042705333	484.9378688
24	G19	31562	CG32744	15.48345667	0.040550667	381.8298918
24	G20	28112	CG11518,CG1569	12.925747	0.039430333	327.8122681
24	G21	31554	CG12345	22.10797333	0.042375667	521.7138767
24	G22	21520	CG17689	19.69183667	0.039611667	497.1221441
24	G23	31560	CG11941	17.79619333	0.04005	444.3493966
24	G24	21500	CG17736	19.72944	0.039632667	497.8075325
24	H01	21499	CG6987	6.082514	0.049109	123.8574192
24	H02	29447	CG31093	16.77394667	0.046311	362.2022126
24	H03	21507	CG18507	15.16074	0.049655333	305.3194689
24	H04	16864	CG10229,CG12005	14.30886667	0.042757	334.655534
24	H05	21540	CG18177	13.36624667	0.042359667	315.5418283
24	H06	16842	CG12768	17.30608667	0.048687	355.4560081
24	H07	21490	CG17914	14.73957667	0.049407	298.3297239
24	H08	17982	CG2368	29.22285667	0.044481333	656.9689907
24	H09	29401	CG30457	15.99611333	0.043484333	367.859229
24	H10	17983	CG2720	13.63127333	0.048851667	279.0339463
24	H11	29444	CG31063	16.69309	0.045187333	369.4196751
24	H12	17981	CG2225	15.07029667	0.042924	351.0925512
24	H13	29439	CG30482	18.03294333	0.048015667	375.5637396
24	H14	17978	CG2062	16.99718667	0.037340333	455.1964364
24	H15	29433	CG30445	17.80631333	0.047563	374.3732173
24	H16	17972	CG2921	17.34955	0.041630333	416.7526083
24	H17	29440	CG30500	17.03217333	0.040380667	421.7902957

24	H18	17973	CG1868	18.35062	0.044701	410.5192278
24	H19	29442	CG31025	16.45961667	0.035244333	467.0145555
24	H20	17977	CG1982	15.085357	0.040519	372.3032898
24	H21	29450	CG30474	14.56375333	0.039304	370.5412511
24	H22	17991	CG2118	16.16563667	0.033837	477.7502931
24	H23	29453	CG31010	15.78797	0.037384333	422.3151409
24	H24	17988	CG3926	16.21558333	0.041038333	395.1325996
24	I01	31638	CG3572	17.00578	0.053134	320.054579
24	I02	25827	CG13340	14.77456667	0.045182333	326.9987532
24	I03	31652	CG7873	18.0637	0.052479	344.2081595
24	I04	25805	CG31173,CG31336	14.22317	0.046664	304.7996314
24	I05	31651	CG7085	15.20618667	0.051618	294.5907758
24	I06	25921	CG30188	12.83123667	0.048806667	262.8992624
24	I07	26025	CG14477,CG33197	15.29232333	0.049717	307.5874114
24	I08	25893	CG32365	13.47757333	0.046937667	287.1376933
24	I09	31551	CG8628	14.78547667	0.04626	319.6168756
24	I10	25952	CG13676	16.97132	0.045651667	371.7568544
24	I11	31556	CG9819	12.93325333	0.032354667	399.7337839
24	I12	28123	CG14640	14.19443	0.053351	266.057431
24	I13	31553	CG33100	11.95292333	0.042637667	280.3371823
24	I14	28109	CG32576,CG3606	11.90025333	0.047519667	250.4279632
24	I15	31552	CG10781	14.99985	0.044943333	333.7502781
24	I16	28127	CG4094,CG4095	14.63268667	0.064714	226.1131543
24	I17	31593	CG13402	14.69723	0.041385	355.1342274
24	I18	28089	CG31746	15.94474667	0.046533333	342.652149
24	I19	31574	CG18412	12.64846667	0.052732	239.8632077
24	I20	28131	CG16836	13.87609667	0.043140333	321.6501959
24	I21	31571	CG15368	15.22405667	0.041238	369.1754369
24	I22	21501	CG17826	15.15096333	0.040768333	371.6355832
24	I23	31573	CG11642	13.89691333	0.039035667	356.0055334
24	I24	21512	CG17737	16.14502333	0.045756333	352.8478389
24	J01	21511	CG7021	12.10265367	0.049088	246.550148
24	J02	29459	CG4861	14.37173667	0.055788667	257.6103271
24	J03	21519	CG18528	13.06629667	0.053975333	242.0790361
24	J04	16875	CG10585,CG9936	12.41264333	0.056608	219.2736598
24	J05	21515	CG18063	11.35861833	0.048672667	233.3674958
24	J06	16880	CG11362,CG4444	12.49399667	0.042076333	296.9364409
24	J07	21502	CG17919	14.07712667	0.046353333	303.6917877
24	J08	17994	CG2469	11.47393667	0.046553	246.4704029
24	J09	29413	CG30459	14.43910333	0.047414667	304.5282051
24	J10	17995	CG2736	13.71282333	0.042054667	326.0713833
24	J11	29456	CG31065	14.37279667	0.044534667	322.7327775
24	J12	17993	CG2238	9.615714667	0.045117	213.1284143
24	J13	29451	CG30484	15.61001	0.048893	319.2688115
24	J14	17990	CG2063	8.213520333	0.055697	147.4679127
24	J15	29445	CG30446	12.905175	0.044853333	287.7194188
24	J16	17984	CG2922	11.44751333	0.071817333	159.3976385
24	J17	29407	CG31041	14.02048333	0.042688667	328.4357285
24	J18	17968	CG2162	13.79295333	0.039382333	350.2319991
24	J19	29479	CG31053	13.30065333	0.043865333	303.2155993
24	J20	18032	CG3691	13.06302667	0.042422667	307.9256372
24	J21	29462	CG30475	12.75668667	0.043242667	295.0023125
24	J22	18003	CG2139	19.96691333	0.041803333	477.6392632
24	J23	29465	CG31015	12.47220667	0.038422333	324.6082574

24	J24	18000	CG3957	12.47031	0.033796	368.98775
24	K02	25839	CG13343	13.20390333	0.052166	253.1132027
24	K03	31656	CG9220	13.62620067	0.049710333	274.1120357
24	K04	25823	CG12682	14.04050333	0.050967	275.4822401
24	K05	31683	CG5942	11.41745667	0.052477333	217.5692998
24	K06	25959	CG13587,CG3541	9.802446	0.053401	183.562967
24	K07	26042	CG32223	13.34752667	0.048443	275.5305548
24	K08	25932	CG30189,CG30191	15.51295333	0.053605667	289.3901764
24	K09	31563	CG8640	12.70273667	0.050765667	250.2229854
24	K1	31650	CG5507	13.47782667	0.048364333	278.6728512
24	K10	28086	CG11350	12.15982333	0.052791333	230.3374923
24	K11	31568	CG9807	12.46931333	0.041002667	304.109814
24	K12	28135	CG14770	12.52243333	0.053057667	236.0155303
24	K13	31565	CG10776	11.822163	0.047932	246.6444755
24	K14	28121	CG7630	9.990416	0.044733333	223.3326975
24	K15	31569	CG12462	8.598552	0.035306667	243.5390483
24	K16	28122	CG12699	14.29369333	0.050293667	284.2046381
24	K17	31579	CG4052	14.51269333	0.041955333	345.9081881
24	K18	28139	CG7424	1.165225333	0.037323667	31.21947647
24	K19	31586	CG5744	12.43529867	0.045412667	273.8288583
24	K20	21472	CG17666	15.48240667	0.045184667	342.6473582
24	K21	31583	CG17438	14.03455	0.042347	331.41781
24	K22	21513	CG17828	13.73758	0.045027	305.0964977
24	K23	31585	CG1527	1.628661333	0.040040333	40.67551885
24	K24	21524	CG17744	15.2132	0.041368333	367.7498892
24	L01	21523	CG7029	16.92591333	0.051536	328.4289299
24	L02	29434	CG31077	17.21321	0.052562	327.4839237
24	L03	21485	CG18729	16.30902	0.056615	288.0688863
24	L04	16881	CG11473	13.04886333	0.046449333	280.9268163
24	L05	21527	CG18066,CG30150	13.65031333	0.057152	238.8422686
24	L06	16889	CG10536,CG12744	13.14963	0.051442667	255.617192
24	L07	21514	CG32352	14.26483	0.047365333	301.1660427
24	L08	18006	CG2522	13.12698333	0.053429333	245.6886978
24	L09	29461	CG30466	17.20729333	0.049007	351.1190918
24	L10	18007	CG2747	13.036374	0.045380333	287.2692429
24	L11	29468	CG31066	24.70778333	0.04766	518.4176109
24	L12	18005	CG2244	12.50292433	0.045262667	276.2303959
24	L13	29463	CG30487	15.48149	0.047680667	324.6911397
24	L14	18002	CG2076	11.78227333	0.045996333	256.1567951
24	L15	29457	CG30447	13.82119667	0.048532	284.7852276
24	L16	17996	CG2926	17.01055	0.056872333	299.1006172
24	L17	29464	CG3065	12.53542667	0.054989333	227.9610591
24	L18	17980	CG2163	2.228198	0.030485333	73.09081963
24	L19	29466	CG31031	15.75200333	0.047330667	332.8075525
24	L20	18001	CG2009	8.085700667	0.038681667	209.0318583
24	L21	29474	CG30476	14.15538667	0.045820667	308.9301771
24	L22	18015	CG2145	18.14906	0.04293	422.7593757
24	L23	29477	CG31016	13.94189	0.041812	333.4423132
24	L24	17962	CG3731	5.188188	0.044501667	116.5841279
24	M01	31670	CG32464	11.92004	0.048689	244.8199799
24	M02	25851	CG13350	12.70137333	0.050242667	252.8005414
24	M03	31681	CG32490	10.30157067	0.045930667	224.2852415
24	M04	25848	CG12710	10.373894	0.050431667	205.7019862
24	M05	26040	CG13772	10.68410733	0.045278333	235.9651194

24	M06	25914	CG13636	11.74391333	0.051019	230.1870545
24	M07	26044	CG14383,CG31342	12.0439	0.044576	270.1879935
24	M08	25942	CG13708	11.91041667	0.050538333	235.6709428
24	M09	31575	CG8821	8.897497667	0.047267667	188.2364477
24	M10	28098	CG11517	10.69372533	0.04586	233.1819741
24	M11	31580	CG9906	12.51086667	0.049382667	253.3453033
24	M12	28146	CG14778,CG32808	13.46710333	0.048519333	277.5615906
24	M13	31572	CG12700	11.11997633	0.046422333	239.5393668
24	M14	28149	CG17760	10.53745333	0.043359	243.0280526
24	M15	31576	CG10279	6.112899667	0.036898667	165.6672237
24	M16	28134	CG13561	13.72265333	0.045625	300.770484
24	M17	31591	CG4575	13.27154333	0.044999333	294.9275545
24	M18	28148	CG10679	10.32231467	0.039437	261.7418837
24	M19	31598	CG1924	14.22050333	0.035963333	395.4167207
24	M20	21484	CG17667	12.55887	0.040040667	313.6528696
24	M21	31595	CG17440	11.84181333	0.045301	261.4029124
24	M22	21525	CG17836	15.88835333	0.036844333	431.2292257
24	M23	31597	CG18157	14.00939333	0.037752333	371.0868202
24	M24	21536	CG17758	13.91152333	0.042241333	329.3343802
24	N01	21538	CG17931	14.06026333	0.057321	245.289917
24	N02	29446	CG31078	15.85741667	0.055854667	283.9049557
24	N03	21534	CG31239,CG6972	13.23855333	0.056601333	233.8911922
24	N04	16899	CG10596	10.801908	0.046157667	234.0219682
24	N05	21539	CG18094	13.21426333	0.050604	261.1308065
24	N06	16921	CG11866	14.23140333	0.051044	278.8065852
24	N07	21526	CG17930	8.436777333	0.044305	190.4249483
24	N08	18018	CG2658	14.31131667	0.048628	294.3019797
24	N09	29437	CG33142	13.44869	0.049487333	271.7602484
24	N10	18019	CG2791	13.85780667	0.042941	322.7173719
24	N11	29480	CG31067	13.38126667	0.043576	307.0788201
24	N12	18008	CG2930	15.18438	0.049123	309.1093785
24	N13	29475	CG30488	16.90741	0.046811333	361.1819787
24	N14	18014	CG2082	14.65139667	0.042125	347.807636
24	N15	29469	CG30448	12.30419	0.043909667	280.2159737
24	N16	18011	CG3861	11.57357	0.045628667	253.6469033
24	N17	29431	CG31047	14.61384667	0.045262667	322.8675583
24	N18	17992	CG31029	12.91011667	0.042352667	304.8241748
24	N19	29485	CG30469	12.19215667	0.041535	293.5393443
24	N20	17998	CG3782	10.483778	0.040812	256.8797903
24	N21	29486	CG30477	13.02211	0.039685333	328.1340714
24	N22	18027	CG2152	13.09993	0.041336667	316.9082332
24	N23	29491	CG31055	14.24432667	0.036837667	386.6783093
24	N24	17974	CG3735	10.252017	0.040631	252.3200758
24	O01	31671	CG3762	10.552212	0.041878333	251.9730648
24	O02	25849	CG13307,CG32023	18.08526	0.050220333	360.1182788
24	O03	31677	CG3026	12.34537	0.047666333	258.9955874
24	O04	25864	CG13397	12.75974667	0.044299667	288.0325661
24	O05	26038	CG14512,CG14516	12.45304	0.045017333	276.6276693
24	O06	25961	CG13622	13.15978333	0.053433667	246.2826183
24	O07	31581	CG13373	12.65224333	0.047834333	264.5012996
24	O08	25954	CG32239	13.04677667	0.06805	191.7233897
24	O09	31587	CG9111	11.55278333	0.051330667	225.0659125
24	O10	28154	CG17117	13.19467	0.050688333	260.3098017
24	O11	31578	CG13211	11.11309333	0.050096667	221.8329896

24	O12	28157	CG31751	13.16329	0.051638333	254.9131459
24	O13	31589	CG11030	14.25667333	0.053327667	267.34103
24	O14	28144	CG9048	13.51960333	0.055519	243.5130916
24	O15	31588	CG10293	12.04578333	0.040518	297.294618
24	O16	28128	CG7355	13.93837333	0.044001333	316.771613
24	O17	31596	CG32584	15.96460667	0.052260333	305.482297
24	O18	28163	CG14117	14.62105333	0.047173667	309.9409982
24	O19	31594	CG15036	11.19207033	0.053564	208.9476203
24	O20	21544	CG17715	12.90797333	0.042710333	302.2213204
24	O21		wts	58.78738667	0.040898333	1437.402991
24	O22		HFA17794	1.333893	0.021405333	62.31591815
24	O23		hpo	43.24538333	0.041671333	1037.772969
24	O24		Luc	4.137397667	0.044857667	92.23390279
24	P01	21547	CG3052,CG7038	12.28842967	0.061727333	199.0759847
24	P02	29458	CG31079	16.80999	0.053361333	315.021926
24	P03	21546	CG6981	12.00297667	0.048573	247.112113
24	P04	16911	CG31752,CG33120	11.23573333	0.044147	254.50729
24	P05	21551	CG18104	12.29933	0.051147333	240.4686461
24	P06	16910	CG31660	13.39024	0.052362	255.7243803
24	P07	21553	CG18397	12.70537	0.051253667	247.8919232
24	P08	18030	CG2674	7.918211333	0.046066333	171.8871627
24	P09	29467	CG31050	14.21674333	0.050074333	283.912783
24	P10	18031	CG2818	11.01430667	0.045844667	240.2527375
24	P11	29492	CG31068	14.27290667	0.047519	300.3621008
24	P12	18029	CG2258	13.51109333	0.047426667	284.8838909
24	P13	29487	CG30490	12.35711333	0.049545667	249.4085591
24	P14	18020	CG3690	11.91806333	0.045092	264.305494
24	P15	29481	CG30450	13.59522333	0.044820333	303.3271357
24	P16	18023	CG3868	13.91211333	0.046955333	296.2839862
24	P17	29443	CG31049	14.53734	0.049806333	291.8773382
24	P18	18004	CG2173	9.297602	0.051459333	180.678633
24	P19	29490	CG31035	13.35847333	0.042735	312.5885886
24	P20	18025	CG2041	13.87106333	0.048191667	287.8311603
24	P21		wts	51.83701	0.041916	1236.6879
24	P22		HFA17794	1.111557333	0.019043667	58.36887154
24	P23		hpo	39.68254	0.041985333	945.1524342
24	P24		Luc	2.931857	0.042460667	69.04877455
25	A01		DIAP1	1.126095	0.033797667	33.31872023
25	A02		ex/ft	93.35378	0.132658667	703.7141436
25	A03		Luc	4.40148	0.133866333	32.87966354
25	A04		hpo	82.41681333	0.123954667	664.8948002
25	A05	30453	CG6311	34.47232333	0.136311333	252.8940367
25	A06	28555	CG13892	28.18225	0.119302333	236.225472
25	A07	30464	CG6897	24.00671667	0.218781667	109.7291059
25	A08	28546	CG14065	36.73838667	0.127529667	288.0771794
25	A09	30456	CG7094	29.369	0.108461667	270.7776941
25	A10	31415	CG2360	26.24905	0.110882667	236.7281631
25	A11	30455	CG7020	34.51637333	0.121054667	285.1304645
25	A12	31409	CG4216	25.52706667	0.121398333	210.2752646
25	A13	30463	CG6821	25.79512667	0.121039	213.1141753
25	A14	31418	CG32165	24.2406	0.106971	226.609081
25	A15	30546	CG6805	26.74611	0.123505	216.5589247
25	A16	31419	CG32283	30.29386	0.105631667	286.7876742
25	A17	28550	CG1344	31.45572667	0.108076	291.0519141

25	A18	31416	CG31274	29.39107667	0.105165667	279.4740679
25	A19	28544	CG13248	29.95096	0.096504667	310.3576338
25	A20	31417	CG31958	30.26922667	0.09891	306.0279716
25	A21	NA	NA	30.11745667	0.104111333	289.2812502
25	A22	31413	CG18281	27.92068333	0.099915667	279.4424965
25	A23	28549	CG13386	31.58340667	0.092888667	340.0135646
25	A24	31424	CG18030	30.09044	0.095841	313.962083
25	B01		DIAP1	0.944013	0.035619	26.5030742
25	B02		ex/ft	80.29185	0.146067333	549.6906678
25	B03		Luc	6.181968667	0.138623333	44.59544088
25	B04		hpo	80.26964333	0.150304	534.048617
25	B05	30938	CG4015	32.59304	0.148206333	219.9166477
25	B06	21757	CG15349	33.60845333	0.139554	240.8275888
25	B07	30942	CG5488	35.18493667	0.119412	294.6515984
25	B08	21758	CG15361	29.83895667	0.120754333	247.104645
25	B09	30935	CG7135	34.68319667	0.128213	270.5123245
25	B10	21754	CG15258	28.92959	0.123926667	233.4412018
25	B11	30941	CG4955	33.1417	0.147600667	224.5362487
25	B12	21835	CG16964	32.88455333	0.118769667	276.8766997
25	B13	30945	CG3621	49.24239667	0.118071333	417.0563275
25	B14	20031	CG5115	27.81178	0.116614	238.4943489
25	B15	31019	CG3972	31.47005	0.127259667	247.2900552
25	B16	20032	CG5190	31.63996333	0.109735	288.330645
25	B17	23193	CG1644	29.72701333	0.100878667	294.6808707
25	B18	20027	CG6705	28.60171	0.111048	257.561685
25	B19	23192	CG1584	29.57950333	0.107904	274.1279594
25	B20	20030	CG5038	27.70214667	0.100661	275.2023789
25	B21	23195	CG1736	29.0697	0.095409	304.6850926
25	B22	20035	CG6284	26.80426	0.109545333	244.6864616
25	B23	23185	CG1358	28.69422667	0.095118	301.6697856
25	B24	20036	CG6481	37.83319	0.109679333	344.9436539
25	C01	18012	CG3964	41.96962333	0.141219333	297.1946004
25	C02	28566	CG13847	39.39246333	0.118942333	331.1895961
25	C03	30470	CG6463	41.07237333	0.113340333	362.3809118
25	C04	28545	CG13960	39.79046667	0.11078	359.18457
25	C05	30465	CG6331	33.89998667	0.116033667	292.1564718
25	C06	28567	CG13894	41.96271	0.121247667	346.0908664
25	C07	30476	CG6902	39.79449333	0.118026	337.1671779
25	C08	28631	CG14244	39.81260333	0.113391	351.1090239
25	C09	30468	CG7100	44.82423	0.112184333	399.5587322
25	C10	31427	CG30002	38.11188667	0.124285333	306.6483039
25	C11	30467	CG7026	36.24487333	0.140352333	258.2420432
25	C12	31421	CG4478	35.08279	0.116399	301.4011289
25	C13	30475	CG6829	40.22139333	0.12446	323.1672291
25	C14	31426	CG18730	31.79514667	0.098407	323.0984246
25	C15	28551	CG13489	35.56723667	0.100631333	353.440976
25	C16	31431	CG32416	30.07205667	0.103687667	290.0253968
25	C17	28562	CG13441	39.12389	0.113913	343.4541273
25	C18	31428	CG31362	35.32257333	0.093823667	376.4782873
25	C19	28556	CG13260	29.57643667	0.100264333	294.984624
25	C20	31429	CG31960	34.70278667	0.086983667	398.9575054
25	C21	28564	CG1361	37.89431667	0.105526333	359.098203
25	C22	31425	CG18290	178.6985	0.103406667	1728.113919
25	C23	28561	CG13387	65.3596	0.128545	508.4569606

25	C24	31436	CG18179	38.38133333	0.095419667	402.2371349
25	D01	31411	CG6478	43.45787667	0.163533	265.7437744
25	D02	21751	CG15439	36.16378333	0.131236333	275.5622808
25	D03	31458	CG6444	39.47241667	0.142103333	277.7726302
25	D04	21779	CG15308	33.80827333	0.121724	277.7453364
25	D05	30950	CG12236	30.22043667	0.137068333	220.4771586
25	D06	21769	CG15350	32.43988333	0.125433	258.6231959
25	D07	30954	CG9570	35.33924667	0.148143333	238.5476678
25	D08	21770	CG31663	37.40599333	0.128980667	290.012405
25	D09	30947	CG7282	10.25433833	0.096964	105.7540771
25	D10	21843	CG15393	32.51539333	0.132311	245.7497361
25	D11	30951	CG17778	33.13973667	0.118742	279.0902685
25	D12	20033	CG31418,CG31419	30.79239333	0.116099	265.2253106
25	D13	30957	CG3630	36.84596	0.128531333	286.6690872
25	D14	20043	CG5123	32.64898667	0.122531	266.4549107
25	D15	31026	CG6961	29.37999333	0.119974333	244.8856561
25	D16	20040	CG7498	34.84169667	0.116689333	298.5851035
25	D17	23250	CG1500	34.16534	0.097328333	351.0317996
25	D18	20039	CG6709,CG8107	20.79204333	0.109728667	189.4859745
25	D19	23204	CG1597	35.96250667	0.114814333	313.2231458
25	D20	20042	CG5060	35.74311667	0.1038	344.346018
25	D21	23268	CG2995	30.56978667	0.107154	285.2883389
25	D22	20047	CG6291	35.83840333	0.102916	348.2296565
25	D23	23215	CG1529	30.27887333	0.103163667	293.5032683
25	D24	20025	CG4115	36.39441	0.104561667	348.066468
25	E01	18024	CG3967	47.59082	0.144274	329.8641474
25	E02	28607	CG14240	38.11998667	0.1394	273.4575801
25	E03	30482	CG6465	44.47169	0.130288667	341.331991
25	E04	28557	CG13994	53.38183667	0.130237667	409.8801678
25	E05	30477	CG6337	44.84356667	0.128854667	348.0166286
25	E06	28579	CG13898	39.18062	0.121277667	323.0654174
25	E07	30488	CG6907	38.21100667	0.115848333	329.8364816
25	E08	28547	CG14165	45.67571333	0.120112	380.2760202
25	E09	30480	CG7104	41.54693667	0.124536	333.613868
25	E10	31439	CG30059	39.23045667	0.116884333	335.6348584
25	E11	30479	CG7031	42.93170667	0.128662667	333.6764874
25	E12	31433	CG4479	49.91442333	0.104072667	479.6112652
25	E13	30532	CG6625	5.580237667	0.370447333	15.0635115
25	E14	31442	CG32189	43.74046333	0.112757333	387.9167948
25	E15	28554	CG13845	39.44544667	0.101252667	389.574398
25	E16	31443	CG32453	35.13340333	0.095434667	368.1408922
25	E17	28574	CG13454	44.46330667	0.114244667	389.1937187
25	E18	31440	CG31447	41.35768667	0.090274	458.135085
25	E19	28577	CG13722	39.81995667	0.099202667	401.4000632
25	E20	31434	CG6289	37.60162	0.102022	368.5638392
25	E21	28576	CG13628	20.93361333	0.086848	241.037368
25	E22	31462	CG18789	30.40831333	0.074419333	408.6077095
25	E23	28601	CG13794	43.55219333	0.085912333	506.9376147
25	E24	31448	CG18211	34.05001333	0.084323333	403.8029806
25	F01	31494	CG6467	45.01186333	0.160899667	279.7511286
25	F02	21763	CG15441	45.10356333	0.132204333	341.1655442
25	F03	31470	CG6447	37.5563	0.140755333	266.8197297
25	F04	21791	CG15311	41.01441333	0.125369333	327.1486913
25	F05	30962	CG4027	84.23651333	0.131520667	640.4811918

25	F06	21785	CG15404,CG31698	43.81339333	0.125511333	349.0791801
25	F07	30966	CG9581	42.17367	0.137014333	307.8048039
25	F08	21822	CG15432,CG15437	36.11325	0.135826333	265.8781189
25	F09	30959	CG7326	48.35376	0.119115333	405.9406849
25	F10	21778	CG15263	37.50178333	0.112128333	334.4541225
25	F11	30965	CG32767	37.40551333	0.108355333	345.211557
25	F12	20045	CG5357	34.53796	0.103147333	334.8410364
25	F13	30969	CG3704	45.76841333	0.113965333	401.5994337
25	F14	20055	CG5139	29.81818667	0.097208333	306.7451693
25	F15	23194	CG1676	24.854	0.145169333	171.2069583
25	F16	20056	CG5199	40.26052667	0.109975667	366.0857705
25	F17	23217	CG1650	40.33238667	0.126495	318.8456988
25	F18	20051	CG6712	29.74548333	0.120909667	246.0141042
25	F19	23216	CG1620	40.21884	0.105613333	380.8121449
25	F20	20054	CG5062	41.55247667	0.093082333	446.4056194
25	F21	23219	CG1785	29.77028667	0.121939	244.1408136
25	F22	20059	CG6294,CG6299	34.84268	0.091186667	382.1027928
25	F23	23274	CG1504	42.51779	0.091543333	464.4553399
25	F24	20060	CG31084,CG6503	34.26056	0.085906333	398.8129707
25	G01	30495	CG6530	47.04572	0.120123	391.6462293
25	G02	28619	CG14243	39.57339333	0.122515	323.0085568
25	G03	30494	CG6483	36.84546667	0.116695333	315.7407037
25	G04	28569	CG13998	45.72400667	0.126194	362.331067
25	G05	30489	CG6348	36.08998667	0.126391	285.5423778
25	G06	28591	CG13902	40.79024667	0.142645667	285.9550354
25	G07	30500	CG6908	39.35633	0.116414667	338.0702031
25	G08	28559	CG14179	40.98037	0.12057	339.8886124
25	G09	30492	CG7105	42.62016667	0.122546667	347.7872375
25	G10	31451	CG30119	37.34102	0.106719333	349.8992997
25	G11	30521	CG6666	34.82269	0.102712667	339.0301423
25	G12	31445	CG4692	37.27169333	0.109850333	339.2952229
25	G13	30499	CG6854	43.57622667	0.118145	368.8368248
25	G14	31454	CG32212	39.93881	0.101749667	392.5203031
25	G15	28584	CG13310	36.50483	0.102197333	357.1994377
25	G16	31455	CG3584	35.75291333	0.091061	392.6259687
25	G17	28586	CG13459	33.54887333	0.107580667	311.8485354
25	G18	31452	CG31702	33.67764333	0.092186333	365.3214323
25	G19	28580	CG13279	33.96518333	0.100467333	338.0719106
25	G20	31453	CG32009	34.23168667	0.094938	360.5688625
25	G21	28588	CG13631	29.06273333	0.092019333	315.8329047
25	G22	31449	CG18372	42.65039	0.097202667	438.7779828
25	G23	28613	CG13796	38.38470333	0.098398667	390.0937343
25	G24	31460	CG18217	35.47765667	0.080454	440.9682137
25	H01	31435	CG7045	51.43231667	0.135863	378.5601427
25	H02	21775	CG16886	58.07374	0.144089667	403.0388948
25	H03	31482	CG6460	46.14190667	0.141273	326.6151824
25	H04	21803	CG15313	40.53159	0.142890333	283.6552274
25	H05	30979	CG6103	34.69927	0.074118667	468.1583137
25	H06	21793	CG15352	40.30218333	0.142182333	283.4542266
25	H07	30972	CG7803	30.61190667	0.136491667	224.2767446
25	H08	21794	CG15371	39.10845	0.120841667	323.6338184
25	H09	30976	CG4746	42.56025333	0.125774667	338.3849424
25	H10	21790	CG15267,CG3975	38.98694667	0.101939667	382.4511884
25	H11	30975	CG4313	34.18854667	0.122598667	278.8655668

25	H12	20057	CG5378	3.225254333	0.078125667	41.28290319
25	H13	30980	CG3708	39.28757667	0.105378333	372.8240467
25	H14	20067	CG32428	40.74134667	0.128059333	318.1442977
25	H15	23208	CG2974	32.77526667	0.105471333	310.7504725
25	H16	20068	CG5225	39.79620333	0.104269	381.6686008
25	H17	23229	CG1655	35.15811333	0.100289	350.5679918
25	H18	20063	CG6736	38.58552333	0.088460667	436.1884755
25	H19	23189	CG1406	40.48129	0.146666333	276.0094227
25	H20	20041	CG4297	35.50248	0.083109	427.1797278
25	H21	23231	CG1829	34.73144333	0.097317667	356.8873415
25	H22	20046	CG5509	38.73509	0.085458667	453.2611087
25	H23	23249	CG1454	22.72488333	0.087420333	259.9496303
25	H24	20113	CG5011	48.93260333	0.084904	576.3285986
25	I01	30507	CG6536	39.75688	0.164376	241.8654791
25	I02	28602	CG40301,CG40307	34.65119333	0.149013	232.538056
25	I03	30473	CG6641	40.69014333	0.143003667	284.539161
25	I04	28629	CG14036	35.34675333	0.122786333	287.8720487
25	I05	30498	CG6743	14.96019667	0.129017	115.9552359
25	I06	28603	CG13914	29.02012	0.161289	179.9262194
25	I07	30469	CG6418	34.50245	0.125191667	275.5970179
25	I08	28571	CG1418	31.47785667	0.122495333	256.9718846
25	I09	30517	CG6452	39.18761333	0.142694	274.6269173
25	I10	31463	CG30176	29.92586333	0.140310333	213.2833885
25	I11	30503	CG7046	27.62212333	0.116276667	237.5551701
25	I12	31457	CG4960	33.98624667	0.115319333	294.7142139
25	I13	30454	CG6948	33.09994333	0.096467	343.1219312
25	I14	31466	CG32214	31.36555333	0.11561	271.3048468
25	I15	28596	CG13331	29.26392333	0.105111333	278.40883
25	I16	31467	CG3678	33.37711	0.115046	290.1196913
25	I17	28598	CG13460	34.65550333	0.118484	292.4909974
25	I18	31464	CG31703	28.09497	0.098824	284.2929855
25	I19	28592	CG13281	12.23819667	0.134747667	90.82306929
25	I20	31480	CG40282	24.01544333	0.113118	212.3043489
25	I21	28632	CG13345	17.85849667	0.098007	182.2165424
25	I22	31461	CG18396	30.65587333	0.089182333	343.7437908
25	I23	28597	CG13407	28.70168	0.094951667	302.2767373
25	I24	31472	CG18240	32.6249	0.102340333	318.7882914
25	J01	31447	CG7170	29.55439	0.150260667	196.6874676
25	J02	21780	CG15335	32.93006667	0.159317	206.695247
25	J03	30949	CG3848	25.22571	0.150038667	168.1280603
25	J04	21815	CG15317	29.14402	0.136852	212.9601321
25	J05	30968	CG6789	30.17107667	0.129086333	233.7278927
25	J06	21805	CG15353	31.33535333	0.136647333	229.3155129
25	J07	30983	CG7990	32.16816667	0.130410667	246.6682173
25	J08	21806	CG15374	32.00133667	0.123155	259.8460206
25	J09	30996	CG3954	19.98799333	0.130548	153.1083841
25	J10	21834	CG15436	27.87569333	0.135604333	205.5663905
25	J11	30988	CG5172	29.8752	0.112602667	265.3152086
25	J12	20062	CG6602	33.36576667	0.123128667	270.9829284
25	J13	30992	CG3713	33.13734667	0.109897667	301.5291195
25	J14	20079	CG5146	24.21235	0.103698333	233.4883235
25	J15	23218	CG1703	23.24984	0.140401	165.5959715
25	J16	20080	CG31716	36.39684333	0.144557	251.7819499
25	J17	23241	CG1662	27.96061	0.104701333	267.0511359

25	J18	20098	CG6657	29.59499	0.103309	286.4705882
25	J19	23201	CG1409	30.43824333	0.09869	308.4227716
25	J20	20078	CG5083	36.66808667	0.097858667	374.7045399
25	J21	23243	CG2939	30.25581333	0.101211667	298.9360252
25	J22	20058	CG5540	30.44571	0.100503333	302.9323406
25	J23	23251	CG1553	29.68778667	0.094114	315.4449568
25	J24	20117	CG5478	24.17235	0.085981333	281.1348587
25	K02	28614	CG13876	35.61911667	0.141759	251.265293
25	K03	30518	CG6513	34.28587667	0.156519333	219.0520234
25	K04	28593	CG14029	31.26160333	0.172058667	181.6915354
25	K05	30513	CG6362	30.93191333	0.150189	205.9532545
25	K06	28615	CG13942	28.67665	0.125084667	229.257916
25	K07	30481	CG6437	32.41894333	0.118908333	272.6381106
25	K08	28606	CG14106	17.98261	0.204567667	87.90543634
25	K09	30516	CG7118	32.46785	0.136503667	237.8533177
25	K1	30519	CG32952	30.20818	0.11475	263.2521133
25	K10	31475	CG30321	31.96703	0.107564333	297.1898678
25	K11	30520	CG6612	29.32529667	0.128004667	229.0955278
25	K12	31469	CG5106	31.04201667	0.115752667	268.1753912
25	K13	30466	CG6956	27.844	0.112290667	247.9636182
25	K14	31478	CG32231	24.99855	0.110475667	226.2810513
25	K15	28599	CG13544	21.27539333	0.10758	197.7634628
25	K16	31479	CG3875	24.81273333	0.104535333	237.3621678
25	K17	28610	CG13461	30.47213667	0.114044333	267.1955351
25	K18	31432	CG17210	30.88422667	0.098122667	314.7511958
25	K19	28604	CG13283	28.21968667	0.096325333	292.9622529
25	K20	31477	CG32021	28.37170333	0.097782667	290.1506402
25	K21	28612	CG13674	27.72687667	0.093317667	297.1235529
25	K22	31498	CG2341	26.56948333	0.097359	272.9021799
25	K23	28637	CG13841	26.57947	0.098183333	270.7126464
25	K24	31446	CG6434	13.14184	0.102911333	127.7006096
25	L01	31459	CG7271	39.89712333	0.170481	234.0268026
25	L02	21783	CG15382,CG3166	29.81616333	0.141780667	210.2978074
25	L03	30961	CG3847	71.26055667	0.151386333	470.71988
25	L04	21827	CG15325	35.48781	0.138381667	256.448783
25	L05	30993	CG7095	30.89722	0.125552333	246.0903687
25	L06	21817	CG15356	31.37233333	0.140750667	222.8929644
25	L07	30995	CG7952	28.35989	0.121403667	233.5999462
25	L08	21818	CG15375	29.50871667	0.13965	211.3048096
25	L09	30999	CG4865	31.76910333	0.129532667	245.259394
25	L10	21814	CG15276	28.08022667	0.121856333	230.4371541
25	L11	31002	CG6867	29.19838333	0.108026333	270.2894973
25	L12	20074	CG6608	27.80068	0.114843667	242.074124
25	L13	30986	CG4325	25.61286333	0.104651667	244.7439601
25	L14	20091	CG5150	27.49073	0.107514	255.6944212
25	L15	23232	CG2983	28.69789667	0.102591333	279.7302241
25	L16	20092	CG5265	29.83916333	0.105149	283.7798109
25	L17	23253	CG1668	34.06676333	0.102027333	333.8983998
25	L18	20110	CG6679	28.08909333	0.094739	296.4892318
25	L19	23252	CG1632	29.21820667	0.104999667	278.2695183
25	L20	20090	CG5089	28.06308333	0.089643	313.0538172
25	L21	23266	CG1722	29.83580333	0.090182333	330.8386713
25	L22	20100	CG7692	29.16730667	0.103856	280.8437323
25	L23	23273	CG31022	30.45726333	0.096129	316.8374095

25	L24	20073	CG4185	52.32722667	0.109949333	475.9212728
25	M01	30526	CG7006	41.30281667	0.218233	189.2601791
25	M02	28626	CG13879	43.91890667	0.146173	300.4584066
25	M03	30530	CG33130	37.13529333	0.133253667	278.681212
25	M04	28605	CG14032	38.11345333	0.128137667	297.4414497
25	M05	30525	CG6372	32.21301	0.121363333	265.4262133
25	M06	28627	CG13952	40.47628	0.114353	353.9590566
25	M07	30536	CG6936	38.70059667	0.124791333	310.1224711
25	M08	28595	CG14237	34.53697333	0.111119333	310.8097601
25	M09	30541	CG6456	35.53218	0.122575667	289.8795574
25	M10	31487	CG30458	31.02886333	0.108033667	287.2147571
25	M11	30527	CG7069	34.87558333	0.113368667	307.6298272
25	M12	31481	CG5207	44.36481667	0.118343667	374.8812076
25	M13	30535	CG6876	31.20536	0.161779333	192.88842
25	M14	31490	CG32268	33.19715333	0.10829	306.5578847
25	M15	28611	CG13560	34.35651667	0.10791	318.3812127
25	M16	31450	CG18787	21.59474667	0.087955333	245.5194682
25	M17	28553	CG13717	37.98261333	0.109267667	347.6107296
25	M18	31488	CG31864	38.06203	0.100014667	380.5644839
25	M19	28616	CG13291	34.17133667	0.099956667	341.8615067
25	M20	31489	CG32074	34.67906333	0.095956	361.4058874
25	M21	28635	CG13590	31.38119667	0.098043	320.0758511
25	M22	31485	CG18444	33.40777667	0.100585667	332.1325769
25	M23	28621	CG13415	35.71672667	0.098838667	361.3639062
25	M24	31496	CG18278	41.11027	0.098443333	417.6033928
25	N01	31471	CG7287	38.64847333	0.157848	244.8461389
25	N02	21795	CG15383	40.90531	0.148688	275.1083477
25	N03	30973	CG3895	44.82265333	0.199564333	224.6025258
25	N04	21828	CG15347	33.04348	0.144532333	228.6234453
25	N05	31008	CG4136	33.30807667	0.134766	247.1548956
25	N06	21829	CG15357	34.23590667	0.129903333	263.5491006
25	N07	31012	CG5907	37.76883333	0.132223333	285.6442383
25	N08	21830	CG15376	35.80104	0.123741333	289.3215956
25	N09	31010	CG4944	30.92927	0.099974	309.373137
25	N10	21826	CG15277	30.52728333	0.126781667	240.7862598
25	N11	31011	CG5321	34.72898333	0.112358333	309.0913002
25	N12	20086	CG6631	36.44769333	0.125834333	289.6482412
25	N13	30998	CG4349	33.67558	0.107254333	313.9787359
25	N14	20103	CG5175	36.61604333	0.115928333	315.8506836
25	N15	23244	CG2989	33.56696	0.102062667	328.8857826
25	N16	20104	CG5273	35.14215667	0.106762333	329.1625011
25	N17	23265	CG1673	40.80959	0.111072667	367.413435
25	N18	20099	CG6843	31.45697333	0.103094667	305.1270677
25	N19	23264	CG1641	35.51591	0.098231333	361.5537812
25	N20	20077	CG4354	28.34756667	0.095257333	297.589337
25	N21	23278	CG1732	33.56085667	0.095749	350.5086911
25	N22	20112	CG7704	8.653567	0.085325333	101.4184963
25	N23	23257	CG1385	32.02014333	0.090218667	354.9170534
25	N24	20085	CG4194	33.19677667	0.084221667	394.1595789
25	O01	30543	CG6571	38.97239333	0.148715	262.0609443
25	O02	28638	CG13889	38.55683	0.152257	253.2351879
25	O03	30542	CG6517	35.32722	0.139038333	254.0825911
25	O04	28617	CG14033	31.15216	0.134701667	231.2678141
25	O05	30472	CG6586	36.05454333	0.147118667	245.071167

25	O06	28639	CG13953	32.53371333	0.145354	223.8239975
25	O07	30484	CG6593	33.68309667	0.124056333	271.514527
25	O08	31422	CG6277	36.33724	0.143123333	253.8876028
25	O09	30496	CG6601	37.23500333	0.147111667	253.1070729
25	O10	31468	CG17637	33.27261667	0.140893	236.1552147
25	O11	30539	CG7075	34.04725667	0.135165667	251.8927884
25	O12	31414	CG18606	36.90049333	0.136150333	271.0275651
25	O13	30547	CG6896	36.48137667	0.119103333	306.3002155
25	O14	31502	CG32274	31.68917333	0.118151667	268.2075863
25	O15	28623	CG13564	31.01144	0.125038333	248.0154619
25	O16	31503	CG4181	30.78536333	0.101355667	303.7359858
25	O17	28565	CG13720	37.10274	0.128027667	289.8025166
25	O18	31456	CG17556	32.03907	0.115146	278.2473555
25	O19	28628	CG13297	34.63714333	0.112849333	306.9326358
25	O20	31501	CG32164	34.60174333	0.103411667	334.6019308
25	O21		wts	114.6571333	0.084975	1349.304305
25	O22		HFA17794	2.717269667	0.033678	80.68381931
25	O23		hpo	81.85677	0.092017667	889.5766755
25	O24		Luc	5.872492	0.095116667	61.73988435
25	P01	31483	CG7294	33.22041333	0.194338667	170.9408318
25	P02	21823	CG16961	34.80261333	0.163763333	212.517739
25	P03	30984	CG3869	32.16591333	0.183289667	175.4922354
25	P04	21840	CG15348	24.96234667	0.125834	198.3752139
25	P05	31020	CG4198	32.88615	0.143326	229.4499951
25	P06	21841	CG31663	27.20883667	0.158614333	171.5408444
25	P07	31018	CG8128	29.25578333	0.136694333	214.0233806
25	P08	21837	CG15252	26.56386333	0.136871333	194.0790864
25	P09	31017	CG7481	24.49147	0.125445333	195.2361985
25	P10	21838	CG15284	27.01380667	0.130211	207.4617864
25	P11	31023	CG5334	32.42829333	0.128632333	252.1006383
25	P12	20105	CG5436	20.95828333	0.101670333	206.1396146
25	P13	31009	CG4523	31.31477333	0.125311333	249.8957796
25	P14	20115	CG5185	26.24584667	0.117360667	223.6340966
25	P15	23254	CG1718	30.68120667	0.133501667	229.8189036
25	P16	20116	CG17230	28.09628333	0.117002	240.1350689
25	P17	23277	CG1675	29.24859333	0.104408667	280.1356848
25	P18	20109	CG4262	30.6745	0.114293667	268.3832
25	P19	23276	CG11125,CG30502	31.56409333	0.109495	288.2697231
25	P20	20114	CG32767,CG40450	28.03695667	0.10057	278.7805177
25	P21		wts	106.87124	0.086882667	1230.063994
25	P22		HFA17794	2.550368	0.037296667	68.38058808
25	P23		hpo	76.24823333	0.095983	794.3931043
25	P24		Luc	4.677396667	0.097974667	47.74087859
26	A01		DIAP1	0.951690667	0.033202333	28.66336703
26	A02		ex/ft	84.83394333	0.110385667	768.5231778
26	A03		Luc	4.125334667	0.121241667	34.02571723
26	A04		hpo	73.79590333	0.115721667	637.701698
26	A05	24624	CG14882	30.46174	0.124948667	243.7940381
26	A06	29596	CG31422	27.61059667	0.117207	235.5712258
26	A07	24629	CG13630	30.61433333	0.126476333	242.055826
26	A08	29597	CG31446	26.73415667	0.111162667	240.4958199
26	A09	24622	CG14711,CG6808	29.39311333	0.127709	230.1569453
26	A10	29598	CG31460	26.45846333	0.119749	220.9493468
26	A11	24642	CG32590	30.15303333	0.116424333	258.9925359

26	A12	29592	CG31548	29.03848333	0.101332667	286.5658656
26	A13	21557	CG8332	12.25687	0.108897333	112.5543631
26	A14	29600	CG31508	23.79471333	0.111137333	214.101892
26	A15	21564	CG7445	24.81061	0.095309667	260.3157777
26	A16	29591	CG31529	29.57957	0.100891667	293.1814983
26	A17	21562	CG7252	23.97441333	0.096556333	248.2945707
26	A18	29631	CG31411	25.83580333	0.092315333	279.8647029
26	A19	21565	CG8132	27.55974333	0.099879	275.9313102
26	A20	24621	CG12333	26.08599333	0.093712667	278.3614453
26	A21	21566	CG8192	21.7338	0.097635	222.6025503
26	A22	24626	CG12692	25.83527333	0.098209333	263.0633205
26	A23	21568	CG7058	20.95631667	0.122008667	171.7608858
26	A24	24627	CG13369	30.37718667	0.105224333	288.6897517
26	B01		DIAP1	1.116721	0.037357	29.89321948
26	B02		ex/ft	85.92879	0.133193667	645.1417109
26	B03		Luc	4.380212333	0.153319667	28.56914855
26	B04		hpo	68.85921333	0.12621	545.5923725
26	B05	18327	CG2913	31.00129	0.147274	210.5007673
26	B06	32052	CG10752	33.00416	0.122826	268.7066256
26	B07	18329	CG3717	34.54401667	0.135507333	254.9235958
26	B08	32084	CG11279	28.53764667	0.156625	182.2036499
26	B09	18332	CG3810	33.40917	0.116535333	286.687042
26	B10	32092	CG11349	31.43428667	0.116063667	270.8365811
26	B11	18322	CG3850	24.54038	0.116176333	211.2339002
26	B12	32108	CG11650	29.18521667	0.117756333	247.8441358
26	B13	18330	CG3756	12.95761	0.154621	83.80239424
26	B14	32068	CG11008	26.47441333	0.112938667	234.4140773
26	B15	18348	CG3983	18.10732	0.153945	117.6220079
26	B16	32076	CG11156	22.46780667	0.105089	213.7978919
26	B17	18362	CG2875	27.39542333	0.131869333	207.7467341
26	B18	32036	CG10604	24.92441667	0.104938667	237.5141352
26	B19	31033	CG32601,CG32598	31.16363667	0.106003333	293.9873274
26	B20	32060	CG10904	23.17192	0.097785	236.9680421
26	B21	31044	CG9176	26.04849333	0.111562333	233.4882442
26	B22	21752	CG15194	28.79969667	0.096388	298.7892338
26	B23	31043	CG8995	30.45517667	0.091638333	332.3410145
26	B24	21753	CG15239	30.03555667	0.093366	321.6969418
26	C01	24640	CG13431	33.14533333	0.133828333	247.6705232
26	C02	29611	CG31488	35.18826667	0.127531	275.919319
26	C03	24635	CG14792	5.373401333	0.131534333	40.85170158
26	C04	29618	CG31391	35.58144	0.116709	304.873146
26	C05	24668	CG32922	30.88641333	0.112533667	274.4637605
26	C06	29608	CG31423	37.04171	0.116626333	317.6101738
26	C07	24641	CG31120	34.27144	0.122097667	280.6887383
26	C08	29609	CG31448	39.30270333	0.123746333	317.6070133
26	C09	24634	CG14715	35.90380667	0.109253	328.6299385
26	C10	29610	CG31461	40.04184	0.111620333	358.732489
26	C11	24654	CG14408	35.73468667	0.119948333	297.9173255
26	C12	29604	CG31549	36.15726667	0.110007667	328.6795163
26	C13	21569	CG8342	33.23214333	0.094027	353.431922
26	C14	29612	CG31509	35.62308667	0.107668333	330.8594604
26	C15	21575	CG7367	34.73214	0.106292333	326.7605378
26	C16	29603	CG31533	37.60841333	0.107768	348.9757009
26	C17	21639	CG8321	34.55869	0.091284333	378.5829259

26	C18	29643	CG31412	35.66436667	0.101308333	352.0378383
26	C19	21577	CG8134	33.46028667	0.106180667	315.1259802
26	C20	24685	CG32444	32.87770333	0.087624333	375.2120225
26	C21	21578	CG8200	33.00129333	0.109424333	301.590079
26	C22	24697	CG12598	33.56812667	0.094346667	355.7955766
26	C23	21580	CG7066	37.93539333	0.10894	348.2228138
26	C24	24639	CG32199	39.73313333	0.092105667	431.3864149
26	D01	18343	CG3792	45.4077	0.158547333	286.3983837
26	D02	32045	CG10658	34.96427	0.148968667	234.7088873
26	D03	18335	CG3943	33.18624667	0.127874333	259.5223436
26	D04	32100	CG11451	23.82282333	0.21836	109.0988429
26	D05	18339	CG2914	30.21147	0.133040333	227.0850444
26	D06	32053	CG10759	42.76672333	0.131463667	325.3121141
26	D07	18341	CG3724	42.47055333	0.135511333	313.4096041
26	D08	32085	CG11286	31.20277333	0.132304667	235.840308
26	D09	18344	CG3815	35.16011	0.124414667	282.6042214
26	D10	32093	CG11362	33.98274333	0.118334667	287.1748769
26	D11	18334	CG3860	39.92897667	0.134335333	297.2336144
26	D12	32109	CG11656	39.90001	0.121938333	327.2146577
26	D13	18342	CG3763	43.09325333	0.123167	349.8766174
26	D14	32069	CG11037	37.54466333	0.113541333	330.6695653
26	D15	18360	CG3996	30.10901	0.128885333	233.6108324
26	D16	32077	CG11175	27.68418	0.116904333	236.8105545
26	D17	18374	CG2889	36.01441333	0.117279333	307.0823504
26	D18	32037	CG10616	34.05664667	0.108777667	313.0849163
26	D19	31045	CG9413	32.89377667	0.112676	291.9324139
26	D20	32061	CG10934	32.12120333	0.106864	300.5802079
26	D21	31056	CG9195	38.69608	0.094764333	408.340128
26	D22	21764	CG15196	33.30572	0.096509667	345.102425
26	D23	32022	CG10152	33.70669667	0.093815	359.2889907
26	D24	21765	CG15240	40.54551667	0.093068	435.6547542
26	E01	24652	CG13478	52.31308333	0.130384667	401.2211303
26	E02	29623	CG31493	45.94349	0.126649667	362.7604494
26	E03	24647	CG14802	41.12854	0.114418	359.4586516
26	E04	29630	CG31394	40.05095333	0.119099	336.2828683
26	E05	24648	CG14894	36.19440667	0.117599333	307.7773117
26	E06	29620	CG31424	46.23669	0.118661333	389.6525406
26	E07	24653	CG13645	40.89609	0.116287	351.6823893
26	E08	29621	CG31450	55.57111	0.116034333	478.9195439
26	E09	24646	CG14721,CG6920	47.33339667	0.124380333	380.5537049
26	E10	29622	CG31465	38.17777	0.110977	344.0151563
26	E11	24716	CG14710,CG6808	33.59846	0.101704667	330.3531795
26	E12	29616	CG31554	41.55259667	0.106961333	388.4824111
26	E13	21581	CG8349	40.82999	0.106781667	382.3689148
26	E14	29624	CG31510	37.45919333	0.109547333	341.9452778
26	E15	21587	CG7368	33.90492333	0.097689333	347.0688373
26	E16	29615	CG31535	39.56050333	0.092662	426.9334067
26	E17	21586	CG7272	38.97012667	0.096113667	405.458745
26	E18	29655	CG31413	38.54807333	0.111075	347.0454498
26	E19	21644	CG7175	41.91224667	0.104142	402.4528688
26	E20	24645	CG12342	31.52657333	0.089728	351.3571386
26	E21	21591	CG8260	38.12393333	0.087568333	435.3620982
26	E22	24650	CG13322	39.8931	0.094516333	422.0762549
26	E23	21592	CG7071	41.56509667	0.077484333	536.432268

26	E24	24651	CG13384	43.11544333	0.08776	491.2880963
26	F01	18355	CG3793	35.42122	0.13182	268.7089971
26	F02	32046	CG10660	37.34369333	0.128687	290.1900995
26	F03	18400	CG3710	40.89962	0.138775	294.7189335
26	F04	32101	CG11498	39.50273	0.120916667	326.6938387
26	F05	18351	CG2915	43.53897667	0.132561667	328.44319
26	F06	32054	CG10789	38.20306667	0.127258	300.20169
26	F07	18353	CG3730	44.79468333	0.124262	360.4857747
26	F08	32086	CG11298	37.57789333	0.124113667	302.7699877
26	F09	18356	CG3819	37.11026333	0.111981	331.3978562
26	F10	32094	CG11368	39.0049	0.120072667	324.8441222
26	F11	18346	CG32174	41.71488667	0.122110667	341.6154199
26	F12	32110	CG11658	34.60752667	0.086820333	398.6108477
26	F13	18354	CG3764	43.43570333	0.109296667	397.4110525
26	F14	32066	CG10987	31.71066	0.099839	317.6179649
26	F15	18372	CG3998	29.43889333	0.111503	264.0188455
26	F16	32067	CG10989	29.62706667	0.108349667	273.4393891
26	F17	18386	CG2890	26.14642667	0.108740333	240.4482851
26	F18	32038	CG10619	30.24863333	0.104867667	288.4457554
26	F19	31058	CG9842	35.74136	0.079910333	447.2683132
26	F20	32062	CG10936	39.52217667	0.075539333	523.1999665
26	F21	31052	CG13367	34.13959667	0.095068667	359.1046121
26	F22	21776	CG15212	36.78158667	0.085323667	431.0830524
26	F23	32031	CG10565	26.46505667	0.082313333	321.5160363
26	F24	21777	CG15245	37.49904333	0.080490333	465.8825697
26	G01	24664	CG30275	39.38614	0.115813333	340.0829496
26	G02	29635	CG31495	43.26792	0.118474667	365.208202
26	G03	24659	CG14804	36.67838333	0.108791333	337.1443497
26	G04	29642	CG31395	42.31275667	0.131501667	321.7659345
26	G05	24660	CG15483	42.83161333	0.119545	358.2886221
26	G06	29632	CG31426	40.61653333	0.117598	345.3845587
26	G07	24680	CG14691	38.91866	0.114316333	340.4470636
26	G08	29633	CG31451	39.14973667	0.118442333	330.5383773
26	G09	24714	CG14516	46.94779	0.123660667	379.6501448
26	G10	29634	CG31466	44.29803333	0.112361	394.2474109
26	G11	21572	CG7131	34.39320333	0.100683667	341.5966509
26	G12	29628	CG31555	40.04970333	0.105126	380.9685837
26	G13	21593	CG8357	41.59692333	0.091995667	452.1617685
26	G14	29636	CG31513	40.2371	0.105653667	380.8395986
26	G15	21600	CG8103	39.47087	0.116678	338.2888805
26	G16	29627	CG31537	38.85050333	0.099075333	392.1309374
26	G17	21598	CG7292	8.116774333	0.087967667	92.2699742
26	G18	29667	CG31414	36.65344333	0.092640667	395.6517656
26	G19	21601	CG8149	36.3399	0.096084333	378.2083794
26	G20	24657	CG12346	40.31173	0.085004333	474.2314706
26	G21	21602	CG8214	39.41479	0.090342667	436.2810116
26	G22	24662	CG13325	40.51844333	0.086351	469.2295785
26	G23	21604	CG7076	36.84325	0.080767	456.1671227
26	G24	24663	CG13390	42.95918	0.08862	484.7571654
26	H01	18367	CG3795	36.81422333	0.126315	291.4477563
26	H02	32047	CG10677	39.14367	0.134634667	290.7399035
26	H03	18359	CG3947	41.90186333	0.138780667	301.9286788
26	H04	32102	CG11550	29.69816333	0.120923	245.5956545
26	H05	18363	CG2917	35.82669	0.131364	272.7283731

26	H06	32055	CG10799	37.3346	0.12577	296.848215
26	H07	18365	CG3732	34.23182667	0.116768333	293.160189
26	H08	32087	CG11312	37.79879667	0.114921	328.9111361
26	H09	18368	CG3829	29.27096333	0.120491333	242.9300309
26	H10	32095	CG11370	38.55058667	0.131013333	294.2493385
26	H11	18358	CG3879	37.47157	0.119586333	313.3432471
26	H12	32111	CG11669	42.76295667	0.10632	402.2099009
26	H13	18366	CG31475	39.57616	0.101938333	388.2362866
26	H14	32071	CG11076	38.62926333	0.105335667	366.725389
26	H15	18384	CG3999	31.63552	0.099195667	318.9203829
26	H16	32079	CG11226	34.95062667	0.105701	330.6555914
26	H17	31059	CG32508	34.27408667	0.092906667	368.9087974
26	H18	32039	CG10625	31.2883	0.096353667	324.7235013
26	H19	31069	CG9902	36.13586	0.089057	405.7610295
26	H20	21748	CG33202	35.00340667	0.095193333	367.708593
26	H21	31065	CG12529	34.03786667	0.091011	373.9972824
26	H22	21788	CG15213	34.99189	0.093889667	372.691599
26	H23	32032	CG10566	39.49551333	0.078445	503.4803153
26	H24	21789	CG15247	38.77213	0.075303	514.8816116
26	I01	24643	CG14542	11.404698	0.430615667	26.48463324
26	I02	29647	CG31496	44.80196667	0.131566	340.5284547
26	I03	24632	CG14644	36.42799333	0.120385333	302.5949451
26	I04	29654	CG31397	34.19785667	0.134492333	254.2736513
26	I05	24672	CG15509	78.88057333	0.261968333	301.107284
26	I06	29644	CG31427	30.08399	0.129194667	232.8578321
26	I07	24677	CG13761	34.97428667	0.138321667	252.8474932
26	I08	29645	CG31140	34.50988	0.118479667	291.2725953
26	I09	24670	CG31368	45.18752333	0.153185667	294.9853228
26	I10	29646	CG31467	35.80961333	0.113456333	315.6246309
26	I11	21584	CG7138	31.73442667	0.113203667	280.330378
26	I12	29640	CG31557	30.92089	0.107461	287.7405757
26	I13	21605	CG8359	33.28089333	0.103533	321.452033
26	I14	29648	CG31515	32.25541	0.115940333	278.20698
26	I15	21612	CG31190	30.72990333	0.101531333	302.664235
26	I16	29639	CG31538	34.87816333	0.114146333	305.5565809
26	I17	21618	CG8436	32.93115667	0.095303	345.5416584
26	I18	29679	CG31421	31.62544667	0.091871667	344.235038
26	I19	21613	CG8161	29.05066	0.095144	305.3335996
26	I20	24669	CG12366	31.55903	0.102091	309.1264656
26	I21	21615	CG8292	31.31446	0.090482333	346.0836922
26	I22	24674	CG13344	30.32027333	0.103404	293.2214743
26	I23	21616	CG7080	33.20092667	0.087103333	381.1671195
26	I24	24709	CG11348	34.43483667	0.089694333	383.9131792
26	J01	18379	CG3803	35.32669667	0.155409333	227.3138679
26	J02	32048	CG10694	26.62797333	0.144899333	183.7687774
26	J03	18371	CG3959	32.42703333	0.154330667	210.1139977
26	J04	32065	CG10969	27.60647667	0.141131333	195.6084167
26	J05	18375	CG2918	31.98701667	0.127949667	249.9968738
26	J06	32056	CG10800	2.275563	0.054344	41.87330708
26	J07	18377	CG3736	33.58526	0.159694333	210.3096541
26	J08	32088	CG11317	27.92958	0.120588667	231.6103227
26	J09	18380	CG3832	30.36773333	0.12021	252.6223553
26	J10	32096	CG11372	36.08561333	0.115668	311.9757697
26	J11	18370	CG33052	32.20762	0.116040667	277.5545929

26	J12	32112	CG11686	31.02994667	0.119345	260.0020668
26	J13	18378	CG3776	33.98686	0.102428667	331.8100402
26	J14	32072	CG11113	25.72929667	0.090564667	284.0986183
26	J15	18396	CG4003	30.30441	0.170483	177.7561986
26	J16	32080	CG11229	33.21329667	0.128189333	259.0956346
26	J17	31084	CG12432	28.96837667	0.105673667	274.130515
26	J18	32107	CG11637	30.74752667	0.108261667	284.0112074
26	J19	31074	CG8568	30.89373667	0.10185	303.3258387
26	J20	21760	CG33202	29.48009333	0.092458333	318.8473366
26	J21	31091	CG9216	28.92463667	0.089103	324.6202335
26	J22	21800	CG15219	30.45733667	0.084965	358.4692128
26	J23	32033	CG10574	28.95206333	0.089548667	323.3109371
26	J24	21808	CG15186	31.80852333	0.083254667	382.0629474
26	K02	29659	CG31498	36.70512	0.141337667	259.6980753
26	K03	24683	CG14816	29.61894667	0.122149	242.4821052
26	K04	29666	CG31404	29.57036333	0.136940333	215.9361133
26	K05	24684	CG31033	30.50859	0.125221333	243.6373195
26	K06	29656	CG31437	33.17269333	0.110273333	300.8224412
26	K07	24704	CG14709	28.93721	0.130036333	222.5317283
26	K08	29657	CG31454	31.87983667	0.118494333	269.0410231
26	K09	24682	CG14736	27.96056	0.115919667	241.2063527
26	K1	24655	CG14544	31.26601	0.118650333	263.5138825
26	K10	29658	CG31468	29.77689	0.115526667	257.7490623
26	K11	21596	CG7157	28.45906667	0.121581333	234.0743097
26	K12	29652	CG31558	34.71952667	0.109329	317.5692329
26	K13	21617	CG8368	26.49777	0.096820333	273.6798056
26	K14	29650	CG31525	31.2233	0.109308	285.6451495
26	K15	21624	CG8118	12.15078967	0.114646	105.985291
26	K16	29662	CG31526	30.92523667	0.113237	273.1018719
26	K17	21630	CG8279,CG8461	28.47856667	0.107817333	264.1371826
26	K18	29674	CG31528	31.14441	0.098637333	315.7466747
26	K19	21597	CG7216	30.35346667	0.092675	327.5259419
26	K20	24681	CG12367	31.88331667	0.094754333	336.4839955
26	K21	21627	CG8297	27.49760333	0.102525667	268.2021413
26	K22	24686	CG13348	28.78787	0.091528	314.5252819
26	K23	21647	CG7443	30.27097	0.092035333	328.9059637
26	K24	24687	CG13400	36.53633333	0.084699333	431.3650639
26	L01	18391	CG3806	30.35290333	0.141922333	213.8698161
26	L02	32049	CG10710	31.88375333	0.135234	235.7672873
26	L03	18410	CG2910	20.64435667	0.170422667	121.1362143
26	L04	32104	CG11563	30.64535	0.148263	206.6958715
26	L05	18387	CG14764	30.72959	0.134631667	228.249347
26	L06	32057	CG10816	25.24915	0.127281667	198.3722453
26	L07	18389	CG3743	27.47346	0.124151333	221.2900922
26	L08	32089	CG11322	30.00601667	0.116678333	257.1687117
26	L09	18392	CG3835	34.35238333	0.123889333	277.2828169
26	L10	32097	CG11373	30.66505	0.112142	273.4483958
26	L11	18382	CG3889	15.39893	0.098599333	156.1768166
26	L12	32113	CG11699	26.09218	0.112073667	232.812763
26	L13	18412	CG3714	31.53632333	0.117952333	267.3649808
26	L14	32073	CG11122	22.16112	0.117491	188.6197241
26	L15	18408	CG4019	29.43096	0.109831	267.9658748
26	L16	32081	CG11230	28.64817667	0.093754667	305.5653407
26	L17	31096	CG12993	28.38301667	0.097096333	292.3181102

26	L18	32041	CG10629	24.11057	0.092661333	260.2009828
26	L19	31097	CG32499	27.59505667	0.105514	261.5298128
26	L20	21772	CG33202	27.14005333	0.087999	308.4132017
26	L21	31087	CG12481	28.11196667	0.084860667	331.2720459
26	L22	21832	CG15189	29.09235	0.090588667	321.1477889
26	L23	32034	CG10585	30.01327333	0.092471667	324.5672368
26	L24	21820	CG15188	30.18818667	0.08863	340.6091241
26	M01	24700	CG13570	39.26686333	0.176638667	222.3004967
26	M02	29671	CG31499	27.67110333	0.122472	225.9382008
26	M03	24644	CG14647	29.4164	0.148436	198.1756447
26	M04	29678	CG31405	28.39878	0.144778	196.1539737
26	M05	24696	CG15524	26.33309	0.121793333	216.2112595
26	M06	29668	CG31438	29.25064	0.126214667	231.7530979
26	M07	24701	CG31635	29.74053333	0.134036667	221.8835642
26	M08	29669	CG31457	29.87167333	0.115270667	259.1437544
26	M09	24715	CG14621	32.22075	0.131268333	245.4571425
26	M10	29670	CG31469	31.91944667	0.111796667	285.5134023
26	M11	21608	CG7162	16.48663	0.105417667	156.3934255
26	M12	29638	CG31524	38.60444	0.106406	362.8032254
26	M13	21623	CG7406	29.08096333	0.107384333	270.8119744
26	M14	29672	CG31517	29.26264667	0.122593667	238.696235
26	M15	21633	CG7248	32.36400667	0.111549333	290.1317803
26	M16	29663	CG31544	32.76165	0.110136	297.4654064
26	M17	21634	CG7348	30.71317	0.102716333	299.0096025
26	M18	24649	CG12512	29.13579667	0.09557	304.863416
26	M19	21609	CG7220	29.09080333	0.097294333	298.9979204
26	M20	24693	CG12369	30.59478333	0.109331	279.8363075
26	M21	21638	CG8235	30.84048	0.098490333	313.1320502
26	M22	24698	CG13349	23.63987667	0.102475333	230.6884584
26	M23	21640	CG7103	32.61238333	0.091029667	358.2610431
26	M24	24699	CG13401	35.67763333	0.107159	332.9410813
26	N01	18403	CG3808	31.75383	0.154060667	206.1125055
26	N02	32050	CG10734	34.22445	0.139857667	244.7091448
26	N03	18395	CG3962	35.76750667	0.148181667	241.3760587
26	N04	32105	CG11591	31.0463	0.129732	239.3110412
26	N05	18399	CG2929	30.85877	0.138791333	222.3393151
26	N06	32058	CG10881	36.92097	0.131269	281.2619126
26	N07	18401	CG3747	33.73376667	0.139089333	242.5330962
26	N08	32090	CG11327	34.85908	0.144615	241.0474709
26	N09	18404	CG3841	32.14153667	0.135167667	237.7901273
26	N10	32098	CG11406	29.45527333	0.121819333	241.7947343
26	N11	18394	CG3902	30.33874667	0.115964333	261.6213606
26	N12	32114	CG11722	33.51214	0.13106	255.7007477
26	N13	18402	CG3780	15.38973667	0.141515333	108.7496055
26	N14	32074	CG11127	31.97612	0.112975667	283.0354619
26	N15	18376	CG3702	29.098	0.098935333	294.111305
26	N16	32082	CG11231	32.43827667	0.112023667	289.5662821
26	N17	31095	CG11235	40.71627333	0.099226333	410.3373768
26	N18	32042	CG10633	30.25742333	0.117665333	257.1481547
26	N19	31109	CG13316	19.72246667	0.100417667	196.4043512
26	N20	21784	CG15184	25.94611	0.098306333	263.931215
26	N21	31099	CG13403	31.14833333	0.092727333	335.9131791
26	N22	21824	CG30295	30.67429333	0.099503667	308.272995
26	N23	32035	CG10591	32.64971667	0.099582333	327.866556

26	N24	21825	CG15251	31.31153333	0.095903667	326.4894286
26	O01	24712	CG13626	37.57462333	0.133042667	282.4253623
26	O02	29683	CG31507	35.46157667	0.169298	209.4624666
26	O03	24707	CG14857	30.23974	0.161017	187.8046417
26	O04	29626	CG31522	31.13954333	0.131251333	237.2512533
26	O05	24708	CG15625	32.94836333	0.130752667	251.9899913
26	O06	29680	CG31439	35.01581667	0.144989	241.506712
26	O07	24711	CG31431	32.66479667	0.128933	253.3470614
26	O08	29681	CG31459	34.75881	0.121224667	286.7305059
26	O09	24706	CG14786	33.27720333	0.141619667	234.9758626
26	O10	29682	CG31473	33.85453333	0.128967	262.5053954
26	O11	21620	CG7164	33.51863	0.120142667	278.9902283
26	O12	29676	CG31561	36.89798	0.135060667	273.195601
26	O13	21635	CG7417	36.25267667	0.131156667	276.4074262
26	O14	29684	CG31519	33.30043	0.116601333	285.5921888
26	O15	21648	CG8121	32.63841667	0.111880333	291.72613
26	O16	29675	CG31545	35.62801667	0.117981333	301.9801155
26	O17	21646	CG13698,CG7354	17.12247	0.113094333	151.3998933
26	O18	24673	CG40277	29.37060667	0.100390333	292.5640915
26	O19	21621	CG7242	36.81342667	0.110853667	332.0902932
26	O20	24705	CG12376	33.12342333	0.105095667	315.1740161
26	O21		wt	115.7494	0.094021667	1231.092833
26	O22		HFA17794	2.867160667	0.035871333	79.9290241
26	O23		hpo	81.94214667	0.086947	942.4378836
26	O24		Luc	6.400246667	0.102803	62.25739197
26	P01	18415	CG3809	31.65957333	0.160263667	197.5467927
26	P02	32051	CG10741	32.64113667	0.162961	200.3002968
26	P03	18407	CG3966	34.06147	0.151692333	224.5431213
26	P04	32106	CG11626	29.52331667	0.14218	207.6474657
26	P05	18411	CG2934	20.28727	0.132032	153.6541899
26	P06	32059	CG10889	28.53607	0.151149	188.7943023
26	P07	18413	CG3752	30.27536667	0.142568	212.357378
26	P08	32091	CG11345	30.78176667	0.142239333	216.4082603
26	P09	18416	CG3845	34.47990667	0.201929667	170.7520605
26	P10	32099	CG11416	31.53456667	0.131905333	239.0696863
26	P11	18406	CG3909	16.49160667	0.099699667	165.4128566
26	P12	32115	CG11761	28.61271	0.129096667	221.6378683
26	P13	18414	CG3788	30.09544	0.130081	231.35923
26	P14	32075	CG11133	27.37653667	0.111623667	245.2574573
26	P15	18388	CG3707	29.9172	0.116305667	257.2290831
26	P16	32083	CG11238	33.62869333	0.126964333	264.8672462
26	P17	31100	CG14205	30.34825	0.114068667	266.0524655
26	P18	32043	CG10635	35.24049333	0.103734	339.7197961
26	P19	31121	CG13361	28.16828667	0.107614667	261.7513722
26	P20	21796	CG15185	33.50131	0.112521333	297.7329632
26	P21		wt	114.1923	0.083776667	1363.056141
26	P22		HFA17794	2.478751667	0.030584	81.04733412
26	P23		hpo	80.96788667	0.088124	918.7949556
26	P24		Luc	5.359271667	0.099511667	53.85571206
27	A01		DIAP1	0.929298	0.035186	26.41101574
27	A02		ex/ft	81.73727667	0.099598667	820.6663744
27	A03		Luc	4.704049	0.127193667	36.98335871
27	A04		hpo	74.71007333	0.104431667	715.3967347
27	A05	30559	CG7608	27.31603667	0.122847333	222.3575875

27	A06	17021	CG11381	27.75261333	0.123929333	223.939019
27	A07	30551	CG7861	28.25530667	0.132704	212.9197814
27	A08	17019	CG14339	27.4774	0.113073667	243.0044131
27	A09	30557	CG7514	30.48499333	0.124485667	244.8875774
27	A10	17024	CG8838	29.77851333	0.111007667	268.2563667
27	A11	30560	CG7707	31.84965	0.115260667	276.3271368
27	A12	17025	CG9015	26.65754667	0.117713333	226.4615733
27	A13	30565	CG7203	30.70621	0.114979667	267.0577406
27	A14	17020	CG10609	29.41095667	0.101010667	291.1668405
27	A15	17652	CG2038	16.66602333	0.093211	178.79889
27	A16	29781	CG31798	27.171	0.109036	249.1929271
27	A17	17659	CG31257	22.98809667	0.080346	286.1137663
27	A18	29785	CG31810	25.59371	0.103863	246.4179737
27	A19	17650	CG3124	25.48344333	0.098100667	259.7682992
27	A20	29788	CG31855	24.00898667	0.096852	247.8935558
27	A21	17654	CG14195	25.65666667	0.097046	264.3763439
27	A22	29789	CG31870	30.62548333	0.094793667	323.0752054
27	A23	17663	CG9884	34.66657333	0.086786	399.4489127
27	A24	29799	CG31839	33.78561	0.086299	391.494803
27	B01		DIAP1	0.955403667	0.034752667	27.49152103
27	B02		ex/ft	80.6845	0.132225	610.2060881
27	B03		Luc	4.774968667	0.142651333	33.47300411
27	B04		hpo	72.63194	0.111716333	650.1461141
27	B05	29974	CG32395	31.23332333	0.139841333	223.3482947
27	B06	23954	CG15405	28.53004333	0.114052667	250.1479726
27	B07	30059	CG32413	28.81494667	0.131901333	218.4583426
27	B08	20129	CG17323	30.99106667	0.149598	207.1623061
27	B09	26070	CG7092	29.15326	0.117051333	249.0638865
27	B10	20122	CG18445	27.75513667	0.106497333	260.6181375
27	B11	26059	CG5022	28.09173	0.115863	242.4564356
27	B12	20127	CG16928	25.05662333	0.117445333	213.3471175
27	B13	26063	CG6477	32.09230333	0.115832333	277.058248
27	B14	20124	CG6958	16.52595	0.123051	134.301631
27	B15	26064	CG5036	28.01695333	0.101407333	276.281334
27	B16	20131	CG17839	27.74134667	0.109957667	252.2911545
27	B17	26069	CG17484	31.68434	0.107509	294.7133728
27	B18	20123	CG6543	30.97773667	0.101695667	304.6121598
27	B19	26068	CG8590	30.13679	0.101623333	296.5538426
27	B20	20132	CG18041	38.32804333	0.117016333	327.5443884
27	B21	26151	CG8355	29.06732667	0.091918333	316.2299142
27	B22	18326	CG2855	26.97799	0.092760667	290.8343695
27	B23	29594	CG31389	25.897	0.112879333	229.4219786
27	B24	18321	CG2681	31.82809	0.090992667	349.7874188
27	C01	21619	CG8538	37.95811	0.129649	292.7759566
27	C02	17023	CG11210,CG8712	36.85792333	0.138342333	266.4254856
27	C03	30562	CG7820	35.93173	0.132485333	271.212889
27	C04	17041	CG10348	36.82356667	0.123279333	298.7002417
27	C05	30571	CG7611	32.1443	0.112113	286.7134052
27	C06	NA	NA	31.59842333	0.124175333	254.4661849
27	C07	30597	CG7181	31.54063333	0.121875	258.7949402
27	C08	17051	CG10037	41.91965	0.106543333	393.4516472
27	C09	30569	CG7523	45.25502333	0.130255333	347.4331697
27	C10	17036	CG8840	39.70122667	0.104484333	379.9730103
27	C11	30590	CG7337	34.38910667	0.110432667	311.4033891

27	C12	17037	CG9034	35.52465333	0.112995667	314.3895194
27	C13	30642	CG7607	43.41657	0.104409333	415.8303536
27	C14	17032	CG10610	34.41720333	0.101861667	337.8818005
27	C15	17667	CG14259	35.99549	0.106698333	337.3575657
27	C16	29793	CG31800	36.85177333	0.089261333	412.8525976
27	C17	17671	CG14340	33.61950667	0.092452333	363.6415162
27	C18	29797	CG31813	33.22017	0.087415333	380.0268069
27	C19	17649	CG14154	37.11508333	0.087477333	424.2822903
27	C20	29800	CG31856	38.72482333	0.098278333	394.0321536
27	C21	17666	CG14233	44.62534333	0.119574333	373.2016904
27	C22	29801	CG31872	36.36778	0.09881	368.0576865
27	C23	17675	CG10492	29.76786667	0.094890333	313.7081051
27	C24	29811	CG31840	35.47079333	0.098293	360.8679492
27	D01	29975	CG32404	39.77876667	0.149444333	266.1778187
27	D02	23972	CG11870	25.44986667	0.118058667	215.5696603
27	D03	29988	CG32418	36.03413333	0.134960333	266.9979574
27	D04	23969	CG10572	8.509203333	0.103128667	82.51055316
27	D05	29986	CG32396	30.86208667	0.130745333	236.0473286
27	D06	23966	CG15528,CG7943	29.23294333	0.107193667	272.7114786
27	D07	26073	CG8312	29.31611333	0.130040667	225.4380425
27	D08	20141	CG17342	30.34910667	0.119675333	253.5953385
27	D09	26091	CG7051	37.37831667	0.122347	305.5106923
27	D10	20134	CG18497	21.64410667	0.120038333	180.3099565
27	D11	26134	CG15288	32.63999333	0.117088	278.7646329
27	D12	20145	CG7810	33.38662	0.116409	286.8044567
27	D13	26075	CG6509	26.24568333	0.111096	236.2432791
27	D14	20136	CG32344	26.60788667	0.140221667	189.7558865
27	D15	26076	CG5424	31.52285333	0.109026	289.1315221
27	D16	20142	CG40453	28.94424333	0.103326667	280.1236531
27	D17	26081	CG17566	32.29482667	0.080727333	400.0482282
27	D18	20138	CG15096	31.91298667	0.099432667	320.9507271
27	D19	26072	CG7321	32.04122	0.086452667	370.6215347
27	D20	20144	CG18130	30.24925667	0.092858	325.7582186
27	D21	29601	CG31351	32.29722	0.086637333	372.7864046
27	D22	18325	CG2767	36.18828333	0.090286	400.8183255
27	D23	29606	CG3139	36.89463667	0.083174333	443.5819944
27	D24	18333	CG2701	42.41815333	0.084851333	499.911453
27	E01	30579	CG7393	53.94378	0.101298667	532.5221128
27	E02	17035	CG8734	57.80373333	0.117697667	491.1204697
27	E03	30574	CG7838	40.4818	0.140447	288.2354198
27	E04	17053	CG10354	44.66091	0.104107667	428.9877146
27	E05	30583	CG7625	46.45832667	0.127294667	364.9667962
27	E06	17045	CG11411,CG14622	43.65349	0.128885667	338.6993382
27	E07	30575	CG7865	37.82034667	0.116913	323.4913711
27	E08	17063	CG10039	44.50112667	0.108967	408.3908584
27	E09	30581	CG7525	49.70891333	0.107698	461.55837
27	E10	17048	CG8854	36.68358667	0.105222667	348.628179
27	E11	30584	CG7736	41.96596	0.103645	404.90096
27	E12	17049	CG9040	45.37452333	0.099041667	458.1357005
27	E13	30589	CG7224	43.02956	0.09853	436.7153151
27	E14	17044	CG10612	40.91501	0.105876333	386.4415088
27	E15	17676	CG3127	43.67484333	0.097586333	447.5508182
27	E16	29805	CG31801	40.66410667	0.102591	396.3710917
27	E17	17683	CG14341	50.19148667	0.106960333	469.2532746

27	E18	29809	CG31815	37.79899667	0.088707333	426.1090402
27	E19	17674	CG5629	50.91174333	0.093053	547.1262972
27	E20	29812	CG31857	40.31187	0.086200667	467.6514876
27	E21	17682	CG14329	43.40995333	0.087526333	495.9644907
27	E22	29813	CG31874	37.87598	0.089733667	422.0933057
27	E23	17687	CG10531	41.75186667	0.086757667	481.2469983
27	E24	29823	CG31841	41.41825667	0.075578667	548.0151807
27	F01	29987	CG32405	45.60591	0.151984333	300.0698098
27	F02	23984	CG12015	40.76812667	0.125416667	325.0614751
27	F03	30000	CG32422	39.27561667	0.141131	278.2919179
27	F04	23962	CG12746	46.97521	0.143005667	328.4849551
27	F05	30068	CG32393	32.00498	0.137875667	232.1292856
27	F06	23953	CG14714	42.61791333	0.105200333	405.111961
27	F07	26120	CG30483	42.10187667	0.112934	372.8007214
27	F08	20153	CG17352	28.94728	0.106510333	271.7790762
27	F09	26103	CG7061	40.66266333	0.111829667	363.612488
27	F10	20146	CG18522	40.13558333	0.108961333	368.3470283
27	F11	26083	CG5341	33.07462667	0.112577	293.7955947
27	F12	20151	CG17005	33.38155667	0.09985	334.3170422
27	F13	26086	CG15148	40.7257	0.111767	364.3803627
27	F14	20148	CG7008	34.18025333	0.107698	317.3712913
27	F15	26127	CG7438	35.28025333	0.086638	407.2145402
27	F16	20155	CG40289	31.63084	0.100048667	316.1545381
27	F17	26089	CG7510	34.74059333	0.098520667	352.6223939
27	F18	20210	CG16912	40.19665333	0.106470667	377.5373499
27	F19	26084	CG7359	40.64583333	0.083427333	487.2004379
27	F20	20176	CG17273	25.74622667	0.093677667	274.8384709
27	F21	29613	CG31352	35.5071	0.088000667	403.486716
27	F22	18337	CG2789	34.78418	0.089209333	389.9163765
27	F23	29617	CG31373	37.80873	0.097703333	386.9748217
27	F24	18345	CG2702	44.62868	0.079005	564.8842478
27	G01	30591	CG7394	45.6468	0.127316333	358.5305892
27	G02	17058	CG11509	42.77179	0.108001333	396.0302033
27	G03	30606	CG7599	48.53217333	0.108782667	446.1388456
27	G04	17065	CG10377	38.59990667	0.122808	314.3110112
27	G05	30595	CG7632	50.51516333	0.120407	419.5367656
27	G06	17057	CG11413	41.07523333	0.099273	413.7603712
27	G07	30587	CG7881	49.18456667	0.106988333	459.7189725
27	G08	17055	CG14354	49.27270333	0.092797333	530.9711127
27	G09	30621	CG7187	25.02458667	0.104801333	238.781186
27	G10	17060	CG8859	40.05933	0.110259333	363.3191748
27	G11	30596	CG7738	39.35596333	0.091768	428.8636925
27	G12	17061	CG9050	39.70579333	0.104978333	378.2284598
27	G13	30601	CG7239	41.32791	0.090289333	457.7274909
27	G14	29786	CG31828	39.67393333	0.090813333	436.87344
27	G15	17688	CG3143	43.04288	0.104332667	412.5542016
27	G16	29817	CG31803	40.56995	0.091579	443.0049465
27	G17	17689	CG14186	42.22598	0.090867667	464.6975272
27	G18	29821	CG31816	39.97592333	0.087731	455.6647403
27	G19	17686	CG32351,CG6372	34.86232	0.081187667	429.4041377
27	G20	29824	CG31858	36.38318	0.092612667	392.8531734
27	G21	17716	CG14282	34.03406	0.085483333	398.1367908
27	G22	29825	CG31876	39.85873667	0.092362	431.5490858
27	G23	17431	CG13134	34.50583	0.079286667	435.203439

27	G24	29835	CG31845	41.90611667	0.073649333	568.9951934
27	H01	29999	CG32407	48.48821333	0.130459	371.6739614
27	H02	23996	CG12066	36.59802667	0.131045333	279.2776037
27	H03	30020	CG32388	38.04177667	0.119305333	318.8606545
27	H04	23982	CG10951	35.00638333	0.129337667	270.6588439
27	H05	30010	CG32398	29.97233333	0.105761667	283.3950549
27	H06	23961	CG12151	29.09624333	0.114571333	253.9574472
27	H07	26097	CG8464	36.73584667	0.096996	378.7356867
27	H08	20165	CG17369	24.91396667	0.088593667	281.216114
27	H09	26106	CG7112	32.10818	0.100619	319.1065306
27	H10	20158	CG18550	37.26105667	0.103284	360.7631063
27	H11	26095	CG5407	37.09893	0.098609	376.2225558
27	H12	20169	CG7840	33.40878	0.105783333	315.8227194
27	H13	26098	CG31802	42.42426	0.095377667	444.8028714
27	H14	20160	CG7035	31.21446667	0.09091	343.3556998
27	H15	26100	CG6450	36.67356	0.093171667	393.6127936
27	H16	20166	CG17739	30.42667667	0.081848667	371.743095
27	H17	26105	CG17947	31.46182667	0.084447667	372.5600471
27	H18	20159	CG6904	35.47933333	0.075784	468.1639044
27	H19	26104	CG15010	22.97443333	0.077306	297.1882303
27	H20	20168	CG18251	48.07	0.080597	596.4241845
27	H21	29625	CG31353	35.60142333	0.084260333	422.5170009
27	H22	18397	CG2846	36.68439333	0.083435	439.6763149
27	H23	29677	CG31388	40.26695	0.081851333	491.9522793
27	H24	18405	CG2759	30.23989333	0.072926	414.66546
27	I01	30603	CG7421	37.78247	0.135784333	278.2535295
27	I02	17059	CG8749	51.05117	0.177433	287.7208298
27	I03	30598	CG7843	17.15986333	0.130573667	131.4190202
27	I04	17090	CG10588	36.7135	0.113572333	323.2609468
27	I05	30607	CG7637	28.44169667	0.112754333	252.2448213
27	I06	17069	CG11449	29.06054667	0.120749333	240.6683819
27	I07	30599	CG7882	35.14272333	0.120247667	292.2528504
27	I08	17067	CG14355	34.59960333	0.101482667	340.9410146
27	I09	30605	CG7549	36.50381667	0.115418	316.2749022
27	I10	17100	CG10210	32.52483667	0.100723	322.9137006
27	I11	30626	CG7370	31.70764333	0.109932333	288.4287304
27	I12	17030	CG10570	32.17969667	0.109828667	292.9990652
27	I13	30613	CG7241	35.09153667	0.101321333	346.339073
27	I14	29798	CG31829	35.94091667	0.097199333	369.7650533
27	I15	17700	CG3195	10.48978	0.129958	80.71669309
27	I16	29829	CG31804	31.80897	0.100805667	315.5474395
27	I17	17701	CG14187	36.47431	0.098707	369.5210066
27	I18	29833	CG31819	35.83532	0.093584667	382.9187118
27	I19	17685	CG14160	31.95567	0.091114667	350.7192768
27	I20	29836	CG31859	30.00817333	0.086932	345.1913373
27	I21	17723	CG1391	25.44841667	0.108376	234.8159802
27	I22	29837	CG31878	28.91651667	0.077293333	374.1139814
27	I23	17443	CG13135	32.06306	0.084295	380.3672816
27	I24	29847	CG31848	36.11741667	0.089331333	404.308492
27	J01	30011	CG32408	27.72009667	0.137631333	201.4083276
27	J02	23991	CG17178	30.22715667	0.130765	231.1563237
27	J03	30032	CG32389	25.59186667	0.109758667	233.164883
27	J04	24005	CG10738	28.84041	0.131412	219.4655739
27	J05	30022	CG32399	25.75973333	0.123312667	208.8977072

27	J06	20161	CG8006	29.96138333	0.108593	275.9052916
27	J07	26109	CG8479	33.20209667	0.121454	273.3717841
27	J08	20177	CG17437	18.1631	0.152074	119.4359325
27	J09	26118	CG7127	29.66177667	0.119751333	247.6947508
27	J10	20170	CG18585	35.08885667	0.109459333	320.5652328
27	J11	26107	CG5409	41.90904333	0.104059	402.7430913
27	J12	20175	CG17033	34.46419333	0.102289333	336.9285165
27	J13	26110	CG15171	30.00830333	0.095082	315.6044607
27	J14	20128	CG17119	27.08804333	0.090894667	298.0157618
27	J15	26112	CG6619	33.18834667	0.102743	323.0229472
27	J16	20178	CG17754	32.83278333	0.087325667	375.9809067
27	J17	26113	CG7662	28.68370667	0.087859333	326.4730744
27	J18	20171	CG6905	27.85748	0.227327333	122.5434689
27	J19	26108	CG7435,CG9601	29.14650333	0.093207	312.7072359
27	J20	20200	CG17292	25.62512667	0.093905667	272.8815797
27	J21	29637	CG31355	30.18699333	0.090398667	333.9318427
27	J22	18409	CG2848	17.67225	0.083981	210.4315262
27	J23	29641	CG31381	26.33976	0.078796667	334.2750539
27	J24	18369	CG2714	37.47221667	0.097999	382.3734596
27	K02	17082	CG11555,CG11604	36.10300333	0.153850333	234.6631467
27	K03	30610	CG7845	28.83986667	0.136683333	210.9976832
27	K04	17089	CG10496	29.60371333	0.14044	210.7926042
27	K05	30619	CG7642	33.03793667	0.120984333	273.0761559
27	K06	17050	CG9200	32.12862	0.122211667	262.8932317
27	K07	30611	CG7897	32.47569	0.116530333	278.6887248
27	K08	17079	CG14362	34.42213	0.114707333	300.0865681
27	K09	30617	CG7552	35.9858	0.119374	301.454253
27	K1	30561	CG7146	38.78942	0.11897	326.0437085
27	K10	17111	CG10151	31.31187	0.11726	267.0294218
27	K11	30638	CG7371	26.53202667	0.096540667	274.8274648
27	K12	17085	CG9097	29.73789333	0.102821333	289.2190985
27	K13	30604	CG7462	28.56118	0.103312333	276.4546989
27	K14	29810	CG3183	3.492217333	0.048289	72.31910649
27	K15	17712	CG3500	29.08614667	0.095046333	306.0207127
27	K16	29841	CG31805	28.82075	0.100342	287.2251899
27	K17	17713	CG14190	30.43549	0.101213	300.7073202
27	K18	29845	CG31822	31.63369	0.096664	327.2540967
27	K19	17710	CG7777	26.45255	0.085192333	310.5038795
27	K20	29848	CG31861	30.33953667	0.091314	332.2550394
27	K21	17714	CG14247	28.24656	0.095274333	296.4760709
27	K22	29849	CG4619	30.05033333	0.098457	305.2127663
27	K23	17455	CG13136	30.82504333	0.086052	358.2141418
27	K24	29859	CG31849	28.37035333	0.087196	325.3630136
27	L01	30023	CG32409	36.50751	0.188972333	193.1897085
27	L02	24003	CG17216	28.77206667	0.132066333	217.8607215
27	L03	30036	CG32431	32.50982	0.129775667	250.507825
27	L04	24006	CG10967	23.1794	0.122353	189.4469282
27	L05	30034	CG32401	32.10618	0.11295	284.2512616
27	L06	20202	CG18476	28.25641	0.116380333	242.7936851
27	L07	26121	CG8529	30.16567333	0.121214333	248.8622633
27	L08	20189	CG31678	29.02743333	0.103456	280.5775724
27	L09	26130	CG7186	26.38584333	0.130575	202.0742358
27	L10	20209	CG15009	25.51694	0.100817	253.1015603
27	L11	26090	CG32180	31.00389	0.114859667	269.9284344

27	L12	20187	CG17034	29.47875	0.108263	272.2883164
27	L13	26123	CG3985	29.98778	0.103001667	291.1387842
27	L14	20184	CG7070	29.02813333	0.103573333	280.2664779
27	L15	26126	CG16932	26.92581	0.093117667	289.1589852
27	L16	20191	CG17922	30.30281	0.099105	305.764694
27	L17	26149	CG7788	38.64760333	0.185849	207.9516346
27	L18	20183	CG6906	28.43790333	0.082474	344.8105261
27	L19	26128	CG33146	32.69107667	0.094858333	344.6305192
27	L20	20192	CG18362	18.18134	0.092794667	195.9308725
27	L21	29649	CG3136	29.01562333	0.087933667	329.9717211
27	L22	18373	CG2827	25.99777667	0.098147	264.8861062
27	L23	29653	CG31385	25.21476	0.080784	312.1256684
27	L24	18381	CG32795	34.34998667	0.083621333	410.7801837
27	M01	30627	CG7435	39.02591333	0.149915667	260.3191127
27	M02	17083	CG8784	33.15568667	0.140076667	236.6967137
27	M03	30622	CG7849	34.96659	0.130463333	268.0185237
27	M04	17074	CG9211	37.98562	0.120794667	314.4643803
27	M05	30631	CG7646	31.39703333	0.114881	273.3004878
27	M06	17062	CG9207	38.75918	0.122428667	316.5858214
27	M07	30588	CG7972	30.77371333	0.107089667	287.3639847
27	M08	17091	CG14367,CG9351	24.62484333	0.112783667	218.3369637
27	M09	30629	CG7554	29.9866	0.106763	280.8707136
27	M10	17096	CG8960	33.04334	0.107584333	307.1389577
27	M11	30632	CG7791	32.98693	0.108599667	303.7479857
27	M12	17097	CG9138	30.51123333	0.107042	285.0398286
27	M13	30616	CG7471	8.897705333	0.109409	81.32516825
27	M14	29822	CG31830	28.9054	0.104685667	276.116119
27	M15	17724	CG3918	21.22076333	0.093106667	227.9188386
27	M16	29853	CG31806	28.54904333	0.092732667	307.8639314
27	M17	17711	CG1319	34.79359667	0.096775	359.5308361
27	M18	29857	CG31823	27.35892333	0.094596333	289.2175877
27	M19	17722	CG7958	11.79691267	0.096616333	122.1006041
27	M20	29860	CG31862	29.72728333	0.089551667	331.9567847
27	M21	17735	CG1438	28.51031667	0.083437	341.6987268
27	M22	29858	CG31834	28.42654667	0.089096333	319.0540576
27	M23	17475	CG13120	28.16159	0.077835333	361.8098464
27	M24	29870	CG31835	37.36409	0.088295667	423.1701443
27	N01	30044	CG32390	31.77353	0.162076667	196.040125
27	N02	24004	CG10538	34.30810333	0.128344	267.3136519
27	N03	30056	CG32391	30.78409	0.136577333	225.3967715
27	N04	24028	CG10545	27.40648	0.135485667	202.2832428
27	N05	30046	CG32402	27.69113667	0.126954667	218.1183047
27	N06	20185	CG14994	27.98108333	0.133299667	209.9111276
27	N07	26133	CG8532	33.89119667	0.087687667	386.4990135
27	N08	20201	CG17492	29.13682667	0.105715	275.6167684
27	N09	26142	CG7210	29.65815333	0.130018333	228.107472
27	N10	20194	CG10712	70.83382667	0.103558333	683.9992919
27	N11	26102	CG7729	31.69883667	0.104001667	304.7916219
27	N12	20199	CG17054	35.34962667	0.157854	223.9387451
27	N13	26135	CG4040	29.17330667	0.104778667	278.4279243
27	N14	20196	CG7074	21.53807333	0.095370333	225.8361964
27	N15	26136	CG6757	19.06582	0.101666333	187.5332706
27	N16	20203	CG31739	25.12084667	0.088113333	285.0969963
27	N17	26137	CG7749	32.11492333	0.103969	308.8894125

27	N18	20198	CG33115	27.90696333	0.089155667	313.0139045
27	N19	26138	CG17046	26.12173667	0.089538333	291.7380265
27	N20	20204	CG18374	23.44743667	0.083136667	282.0348422
27	N21	29661	CG31360	30.22511	0.084582667	357.3440185
27	N22	18385	CG2843	24.03061333	0.093919333	255.8643943
27	N23	29665	CG31386	23.89522667	0.079180333	301.7823449
27	N24	18393	CG2746	4.384168	0.079891	54.87686974
27	O01	30639	CG7441	38.44534333	0.154585	248.7003482
27	O02	17095	CG8813	37.22784333	0.152954333	243.3918839
27	O03	30634	CG7856	34.58404333	0.139919	247.1718875
27	O04	17113	CG10559	27.98188333	0.137018	204.2204917
27	O05	30643	CG7676	30.03296333	0.137590667	218.2776206
27	O06	17105	CG11470	34.78126	0.129377333	268.8358084
27	O07	30600	CG7973	33.24720667	0.134129333	247.8742408
27	O08	17107	CG8829	35.32753667	0.123073333	287.0446076
27	O09	30640	CG7499	32.39338	0.126305667	256.4681447
27	O10	17108	CG8991	28.78670667	0.117213333	245.5924241
27	O11	30644	CG7796	31.09768667	0.110420667	281.629224
27	O12	17066	CG10586	37.83349333	0.127968667	295.6465385
27	O13	30628	CG7478	28.96989667	0.104754333	276.5508189
27	O14	29834	CG31832	30.97798667	0.099949	309.937935
27	O15	17736	CG3948	5.812437333	0.156689	37.09537577
27	O16	29865	CG31807	32.31858333	0.105114333	307.4612406
27	O17	17737	CG14193	35.92899	0.119916	299.6179826
27	O18	29869	CG31824	30.37250667	0.103002333	294.8720256
27	O19	17734	CG9057	32.03664667	0.098879333	323.9973975
27	O20	29872	CG31867	31.93641	0.097025333	329.1553752
27	O21		wt	115.78639	0.078009	1484.269636
27	O22		HFA17794	2.964247333	0.034987333	84.72344277
27	O23		hpo	77.84539667	0.082362333	945.157738
27	O24		Luc	6.071712333	0.094089	64.53158534
27	P01	30047	CG10529	32.60857667	0.158675667	205.5045827
27	P02	23985	CG12169	33.30927667	0.155621	214.0410142
27	P03	30060	CG32441	33.56550333	0.16943	198.108383
27	P04	24009	CG12241	27.79750333	0.151594333	183.367694
27	P05	30058	CG32403	28.91605	0.135765333	212.9855191
27	P06	20197	CG14998	28.95508	0.141539333	204.5726747
27	P07	26115	CG7238	29.96143667	0.165242667	181.3177993
27	P08	20213	CG17509	31.06431667	0.168431333	184.4331221
27	P09	26114	CG16903	34.23386667	0.178138333	192.1757436
27	P10	20206	CG18076	31.62341667	0.117567333	268.9813213
27	P11	26143	CG5582	30.11571667	0.108321667	278.0211715
27	P12	20211	CG17081	27.90818667	0.121701667	229.3163884
27	P13	26147	CG5014	27.52388	0.104789667	262.658341
27	P14	20208	CG7082	28.16252667	0.107324	262.4066068
27	P15	26139	CG8269	37.15650667	0.124079667	299.4568543
27	P16	20215	CG17975	27.30037667	0.111492333	244.8632641
27	P17	26153	CG7057	32.68436333	0.083207667	392.8047095
27	P18	20207	CG6957	29.47062667	0.113600667	259.4230081
27	P19	26152	CG17051	27.80370667	0.095631667	290.7374475
27	P20	20214	CG17838	26.12053667	0.092441667	282.5623727
27	P21		wt	99.76595	0.087969	1134.103491
27	P22		HFA17794	2.212953333	0.031965333	69.22979061
27	P23		hpo	70.80443333	0.084373667	839.1769154

27	P24		Luc	4.463554667	0.098502667	45.31404903
28	A01		DIAP1	1.015800333	0.034053333	29.82968872
28	A02		ex/ft	76.27326333	0.111858333	681.8737689
28	A03		Luc	4.989873333	0.130409333	38.26316112
28	A04		hpo	73.00416667	0.112960667	646.2795309
28	A05	29783	CG31956	32.38398333	0.135353333	239.2551593
28	A06	33165	CG18545	31.31601333	0.120281667	260.3556652
28	A07	29790	CG31882	31.83999	0.126812333	251.0796006
28	A08	33173	CG1981	44.40123667	0.117649333	377.4032152
28	A09	29782	CG31938	21.14638	0.126414	167.2787824
28	A10	33181	CG2331	11.04654667	0.123910667	89.14927959
28	A11	29981	CG32307	31.13141	0.115052	270.5855613
28	A12	33205	CG31363	29.17369667	0.10574	275.90029
28	A13	29982	CG32331	26.61821333	0.111147667	239.4851294
28	A14	33221	CG32237	29.85930667	0.113942	262.05707
28	A15	29983	CG32351	25.59517333	0.106653667	239.983998
28	A16	33229	CG32544	25.89254	0.100916	256.5751714
28	A17	29977	CG32235	27.46802	0.113788333	241.3957494
28	A18	33237	CG32586	27.42732	0.194374	141.1059092
28	A19	29979	CG32265	29.24835	0.098275	297.6174002
28	A20	33189	CG30180	28.37430333	0.099097667	286.3266542
28	A21	29990	CG32252	28.46516	0.097669333	291.4441927
28	A22	33245	CG3277	27.61882667	0.085218667	324.0936258
28	A23	29985	CG32225	30.01217333	0.098428333	304.9139645
28	A24	33213	CG31950	30.94869667	0.088671	349.0283933
28	B01		DIAP1	1.240605	0.034063667	36.42018377
28	B02		ex/ft	91.02750333	0.136745667	665.6701126
28	B03		Luc	5.080186667	0.156674333	32.42513664
28	B04		hpo	76.68526667	0.147908333	518.4648149
28	B05	33357	CG5577	33.17270333	0.143140667	231.7489789
28	B06	32877	CG10035	26.83326667	0.153282333	175.057791
28	B07	33365	CG5837	14.72663	0.135364667	108.7922747
28	B08	32885	CG10177	26.63748667	0.134382667	198.2211496
28	B09	33373	CG6371	15.60406	0.107502667	145.1504459
28	B10	32893	CG10671	27.46943667	0.232281	118.2595075
28	B11	33381	CG6438	27.78390667	0.119166667	233.1516643
28	B12	32901	CG10946	30.17723	0.117944667	255.8592165
28	B13	33405	CG7281	33.00673	0.105043667	314.2191343
28	B14	32909	CG11142	26.62840667	0.108491	245.4434623
28	B15	33413	CG7490	5.528915	0.174185	31.74162528
28	B16	32925	CG11975	25.72350667	0.107260667	239.8223642
28	B17	33429	CG7892	33.08110333	0.091327	362.2269792
28	B18	32941	CG12442	27.58445667	0.099928333	276.0423971
28	B19	33397	CG6971	30.69653	0.105737	290.3102036
28	B20	32933	CG12249	25.66960333	0.100142333	256.3311886
28	B21	33437	CG8160	28.71754333	0.085917	334.2475102
28	B22	32957	CG12971	28.11745	0.100323667	280.267368
28	B23	33390	CG6702	26.03191333	0.097944333	265.7827405
28	B24	32917	CG11379	33.51251	0.082239667	407.4981254
28	C01	29796	CG31988	33.25190667	0.120790667	275.2853973
28	C02	17565	CG13924	32.71676667	0.107266	305.0059354
28	C03	29792	CG31921	39.06478667	0.12023	324.9171311
28	C04	17558	CG13962	32.44700333	0.113038333	287.0442475
28	C05	29795	CG31957	27.55314333	0.117131333	235.232901

28	C06	33166	CG18577	37.20276333	0.120849	307.8450242
28	C07	29802	CG31887	37.24399667	0.106355	350.1856675
28	C08	33174	CG2028	16.69963	0.160920667	103.7755457
28	C09	29876	CG31934	38.05246667	0.100922667	377.0457908
28	C10	33182	CG2508	43.22076667	0.128684333	335.8665779
28	C11	29993	CG32308	35.02828667	0.108053667	324.1749007
28	C12	33206	CG31364	39.75602	0.099668	398.8844965
28	C13	29994	CG32334	40.57382333	0.108536333	373.8271055
28	C14	33222	CG32261	41.29852333	0.100117333	412.5012319
28	C15	30040	CG32299	33.17976	0.098960333	335.2834301
28	C16	33230	CG32550	34.17951	0.094356667	362.2373618
28	C17	29989	CG32236	37.34194333	0.099390667	375.708752
28	C18	33238	CG32588	28.73469	0.094907333	302.7657505
28	C19	29991	CG32266	37.64328	0.09164	410.7734614
28	C20	33190	CG30184	33.56055667	0.090898667	369.2084592
28	C21	30002	CG32254	36.10729333	0.092042333	392.2900694
28	C22	33246	CG32838	33.75390667	0.080797	417.7618806
28	C23	29997	CG32228	36.70897333	0.094215333	389.6284398
28	C24	33214	CG3203	5.892902667	0.110597667	53.2823417
28	D01	33253	CG3431	38.96859	0.141447333	275.4989372
28	D02	33445	CG8311	33.33953	0.11869	280.8958632
28	D03	33250	CG33114	28.75651333	0.13893	206.9856283
28	D04	33442	CG8224	32.91837667	0.123100333	267.4109466
28	D05	33358	CG5687	31.65804667	0.140764333	224.9010521
28	D06	32878	CG10043	36.74640667	0.108238667	339.4942658
28	D07	33366	CG5958	29.84411667	0.119989333	248.7230809
28	D08	32886	CG10317	30.26813333	0.123601333	244.8851684
28	D09	33374	CG6378	34.10528333	0.109495333	311.4770493
28	D10	32894	CG10674	26.59584333	0.111079	239.4317858
28	D11	33382	CG6544	32.90762667	0.114026667	288.595884
28	D12	32902	CG10953	30.20141333	0.102054333	295.9346492
28	D13	33406	CG7325	37.33063	0.121444	307.3896611
28	D14	32910	CG11147	34.23867333	0.098059667	349.1616329
28	D15	33414	CG7507	33.96171	0.104875333	323.8293402
28	D16	32926	CG12085	39.57021333	0.122267333	323.6368395
28	D17	33430	CG7916	35.62456333	0.108871	327.2181144
28	D18	32942	CG12511	29.73552333	0.084845333	350.4673995
28	D19	33398	CG6977	30.66259667	0.087862	348.9858718
28	D20	32934	CG12255	32.30253333	0.089837	359.5682551
28	D21	33438	CG8167	33.46636333	0.084325333	396.8719958
28	D22	32958	CG12972	107.6119367	0.088112	1221.308524
28	D23	33391	CG6717	42.59675667	0.093210333	456.996077
28	D24	32918	CG11426	31.57714333	0.080136	394.0444162
28	E01	29808	CG31990	48.49412333	0.116176667	417.417066
28	E02	17559	CG13976	39.74282	0.115542667	343.9666155
28	E03	29804	CG31922	40.26837667	0.119254	337.6689811
28	E04	17586	CG14054	42.10131667	0.114982333	366.1546556
28	E05	29807	CG31959	39.17837667	0.130047	301.26321
28	E06	33167	CG18625	39.67811667	0.111656667	355.358241
28	E07	29814	CG3189	36.66105333	0.109280667	335.4761135
28	E08	33175	CG2061	39.68891667	0.120221333	330.132062
28	E09	29806	CG31941	41.06846	0.105570333	389.0151589
28	E10	33183	CG2706	46.98416333	0.115763667	405.8627779
28	E11	30005	CG32309	32.82276	0.113227	289.8845682

28	E12	33207	CG31371	35.21162	0.098452333	357.6514523
28	E13	30006	CG32335	42.97305333	0.101087	425.1095921
28	E14	33223	CG32504	41.43546333	0.127377333	325.2969916
28	E15	30007	CG32355	39.61816333	0.094093333	421.0517571
28	E16	33231	CG32551	39.53377333	0.101836	388.2101942
28	E17	30001	CG32240	47.33690667	0.085422667	554.14925
28	E18	33239	CG32589	38.17074333	0.089953333	424.3393982
28	E19	30003	CG32267	44.47392	0.091544667	485.8166141
28	E20	33191	CG30186	37.65186667	0.100357333	375.1780305
28	E21	30014	CG32256	44.28099	0.091021	486.4920183
28	E22	33247	CG32853	37.5725	0.091348333	411.3101863
28	E23	30008	CG32386	46.54595667	0.081667333	569.9458372
28	E24	33215	CG32033	40.54939	0.082730333	490.1393282
28	F01	33254	CG3491	51.00435333	0.129670333	393.338646
28	F02	33446	CG8401	39.06479667	0.134847	289.6971877
28	F03	33251	CG3353	43.40237	0.129593333	334.9120582
28	F04	33443	CG8282	33.82112667	0.126698333	266.9421592
28	F05	33359	CG5717	35.43798	0.143341	247.2284971
28	F06	32879	CG10139	41.10389333	0.126456	325.0450222
28	F07	33367	CG5961	41.72692	0.125778	331.7505446
28	F08	32887	CG10470	35.6095	0.126279	281.9906714
28	F09	33375	CG6379	49.10015333	0.121003	405.7763306
28	F10	32895	CG1081	21.47439667	0.091829333	233.8511659
28	F11	33383	CG6546	67.36138	0.164719667	408.9455823
28	F12	32903	CG10979	34.69013	0.105135333	329.9569127
28	F13	33407	CG7327	36.97222	0.101766667	363.3038323
28	F14	32911	CG11180	35.46925	0.126530667	280.3213714
28	F15	33415	CG7539	33.61384333	0.101261	331.9525122
28	F16	32927	CG12101	39.30433	0.109119333	360.1958406
28	F17	33431	CG7918	38.17436	0.090104667	423.6668467
28	F18	32943	CG12532	34.61884	0.091523667	378.250143
28	F19	33428	CG7867	32.37166333	0.081806667	395.7093554
28	F20	32935	CG12269	33.37899667	0.092114333	362.3648509
28	F21	33439	CG8183	41.02980667	0.088917667	461.4359351
28	F22	32959	CG12976	27.59189333	0.090133667	306.1219448
28	F23	33392	CG6728	40.33192333	0.085805667	470.0379928
28	F24	32919	CG1151	42.86255	0.083425	513.785436
28	G01	29820	CG31992	6.010995333	0.107435333	55.94989234
28	G02	17575	CG14071	37.35101667	0.121029	308.6121233
28	G03	29816	CG31923	41.51675	0.120402667	344.8158679
28	G04	17590	CG14115	39.30824	0.115169	341.3092065
28	G05	29819	CG31961	39.55526667	0.117387333	336.9636701
28	G06	33168	CG18682	35.36645333	0.100657	351.3561236
28	G07	29826	CG31894	45.62037	0.107514	424.3202746
28	G08	33176	CG2100	41.17586667	0.118319667	348.0052626
28	G09	29818	CG31948	37.28176667	0.113531333	328.3830602
28	G10	33184	CG2715	37.98980333	0.106405667	357.0280092
28	G11	30017	CG32310	36.16742333	0.118498	305.2154748
28	G12	33208	CG31559	40.28323	0.095846333	420.2897346
28	G13	30018	CG32336	43.17763	0.100261333	430.6508657
28	G14	33224	CG32507	36.32036333	0.094571333	384.052567
28	G15	30019	CG32364	47.60158333	0.086409333	550.8847424
28	G16	33232	CG32553	35.27423	0.098139667	359.4288752
28	G17	30013	CG32241	42.87551	0.086256667	497.0689415

28	G18	33240	CG32596	31.41305333	0.085367333	367.9751037
28	G19	30015	CG33161	36.20832333	0.086208	420.0111745
28	G20	33192	CG30187	37.95225333	0.085845	442.1020832
28	G21	30026	CG32257	39.37404333	0.082840333	475.3003971
28	G22	33201	CG31204	36.55183	0.083697333	436.7143915
28	G23	30021	CG32230	37.23361667	0.075373667	493.9870689
28	G24	33216	CG32073	39.61592	0.074276	533.360978
28	H01	33260	CG3637	32.64918667	0.125270333	260.6298379
28	H02	33447	CG8402	28.59201667	0.122617333	233.1808717
28	H03	33252	CG3420	41.40766667	0.125705333	329.4026241
28	H04	33444	CG8284	30.70112667	0.120649333	254.4657796
28	H05	33360	CG5737	31.73331	0.112578667	281.8767617
28	H06	32880	CG10153	31.82908333	0.108525	293.2880289
28	H07	33368	CG6033	35.42021667	0.105112333	336.9748872
28	H08	32888	CG10512	39.39515	0.108312667	363.7169245
28	H09	33376	CG6385	31.52830333	0.125092667	252.0395813
28	H10	32896	CG10846	47.35963667	0.109797	431.3381665
28	H11	33384	CG6567	34.39247	0.100859	340.9955482
28	H12	32904	CG10992	29.85088	0.096642667	308.8788941
28	H13	33408	CG7358	41.89230333	0.107355667	390.2197679
28	H14	32912	CG1124	33.25902	0.091968333	361.635563
28	H15	33416	CG7548	37.73897333	0.090630333	416.4055449
28	H16	32928	CG12107	38.04796667	0.087088667	436.887693
28	H17	33432	CG7923	29.84436333	0.089537667	333.3162952
28	H18	32944	CG12620	34.88838667	0.08421	414.3021811
28	H19	33400	CG7111	82.3878	0.102336667	805.0662845
28	H20	32936	CG12289	38.21452667	0.089469333	427.1243033
28	H21	33440	CG8186	25.34255	0.072097	351.506304
28	H22	32952	CG12846	38.77465	0.083328	465.3255808
28	H23	33393	CG6745	37.25418667	0.081873667	455.0203769
28	H24	32920	CG11516	40.57168	0.075453667	537.7032263
28	I01	29832	CG31997	42.47655667	0.143002	297.0347035
28	I02	17583	CG13981	32.16567667	0.124972333	257.3823806
28	I03	29861	CG31880	46.19223333	0.120235	384.1829196
28	I04	17636	CG14109	29.91573667	0.102061333	293.1152836
28	I05	29831	CG31962	35.75363	0.111383667	320.9952686
28	I06	33169	CG18744	33.04104333	0.116394667	283.8707673
28	I07	29875	CG31920	31.41532333	0.108825333	288.6765643
28	I08	33177	CG2114	31.04211333	0.10311	301.0582226
28	I09	29830	CG31949	37.11208333	0.11074	335.1280778
28	I10	33185	CG2790	33.83722667	0.109241667	309.7465253
28	I11	30029	CG32313	29.2826	0.098083667	298.5471587
28	I12	33209	CG31672	31.96481333	0.113980333	280.4414797
28	I13	30030	CG32341	31.74957333	0.110469667	287.4053511
28	I14	33225	CG32516	34.97411	0.097477667	358.7910051
28	I15	30031	CG32368	33.13968667	0.095214	348.0547679
28	I16	33233	CG32554	38.61283667	0.126476667	305.2961284
28	I17	30025	CG32243	29.08529333	0.093873333	309.835523
28	I18	33241	CG32627	31.71325	0.089171333	355.6440037
28	I19	29996	CG32382	33.23434	0.085899333	386.8986954
28	I20	33193	CG30275	29.80975333	0.083294	357.8859622
28	I21	30038	CG32259	34.43730667	0.084192	409.0330039
28	I22	33249	CG33113	27.84632333	0.093717333	297.1309825
28	I23	30033	CG32232	34.76326333	0.077441667	448.8961154

28	I24	33217	CG32131	30.71224	0.089304	343.9066559
28	J01	33256	CG3526	32.79387	0.127439333	257.3292652
28	J02	33448	CG8414	36.10406	0.170557	211.6832496
28	J03	33421	CG7641	22.90738667	0.219241	104.484958
28	J04	33452	CG8542	24.74382667	0.142255	173.9399435
28	J05	33361	CG5770	38.06825667	0.139928333	272.0553855
28	J06	32881	CG10158	16.75417	0.109216333	153.4035202
28	J07	33369	CG6050	21.03956	0.115129667	182.7466422
28	J08	32889	CG10593	34.11157	0.114711667	297.3679225
28	J09	33377	CG6406	36.64989	0.114941	318.8582838
28	J10	32897	CG10853	29.81053333	0.105170667	283.449124
28	J11	33385	CG6576	32.28228333	0.104874333	307.8187227
28	J12	32905	CG11012	31.75094333	0.11435	277.6645678
28	J13	33409	CG7364	30.74653333	0.098210333	313.0682107
28	J14	32913	CG11248	28.07849333	0.090733667	309.4605824
28	J15	33417	CG7555	32.93793	0.110307667	298.6005506
28	J16	32929	CG1211	26.06418	0.090722333	287.2961821
28	J17	33433	CG7980	30.11585667	0.094896	317.3564393
28	J18	32945	CG12624	30.07773333	0.091349667	329.259366
28	J19	33401	CG7178	28.37973667	0.093938667	302.1092131
28	J20	32937	CG12321	31.79041667	0.103274667	307.8239581
28	J21	33441	CG8203	30.15175333	0.084376667	357.3470549
28	J22	32961	CG13002	28.04219333	0.090317667	310.4840323
28	J23	33394	CG6752	24.46728333	0.083186333	294.1262387
28	J24	32956	CG12970	30.17325667	0.078631333	383.7307011
28	K02	17620	CG13997	19.66898	0.123780667	158.9018748
28	K03	29840	CG31925	26.00605333	0.142405333	182.6199393
28	K04	17626	CG14121	31.07870333	0.122048	254.6432824
28	K05	29791	CG31906	26.25059333	0.135340333	193.9598691
28	K06	33170	CG18745	32.93499333	0.117300333	280.7749339
28	K07	29850	CG31898	32.39269	0.119294333	271.5358651
28	K08	33178	CG2146	30.88296667	0.107279667	287.8734398
28	K09	29866	CG31955	27.01594333	0.123282333	219.138806
28	K1	29844	CG32000	26.64964	0.117486	226.8324737
28	K10	33186	CG2916	30.00160667	0.103293333	290.4505615
28	K11	30041	CG32315	32.09776	0.128362667	250.0552601
28	K12	33210	CG31733	23.85054333	0.132286667	180.2943859
28	K13	30042	CG32343	22.22132667	0.105596667	210.4358723
28	K14	33226	CG32530	21.73484333	0.102986	211.0465824
28	K15	30043	CG32371	27.63428	0.109597333	252.1437261
28	K16	33234	CG32559	30.20919	0.096711667	312.3634515
28	K17	30052	CG32304	29.86549	0.100007667	298.6320049
28	K18	33242	CG32664	28.03085667	0.102966333	272.2332219
28	K19	30039	CG32275	28.72460667	0.106633333	269.3773679
28	K20	33194	CG30284	29.96503333	0.100721333	297.5043354
28	K21	30050	CG32260	29.21464	0.096702333	302.108946
28	K22	33199	CG3074	29.71335333	0.095941667	309.7022844
28	K23	30045	CG32233	28.68406	0.09341	307.0769725
28	K24	33218	CG32138	18.52521667	0.090287667	205.1799249
28	L01	33257	CG3556	25.30136	0.128898	196.2897795
28	L02	33449	CG8454	49.74206	0.224169333	221.8950258
28	L03	33422	CG7693	33.81758333	0.112805333	299.7870964
28	L04	32949	CG12749	27.04653333	0.152316	177.5685636
28	L05	33362	CG5771	29.56266333	0.12339	239.5871897

28	L06	32882	CG10159	22.18493667	0.117960667	188.0706281
28	L07	33370	CG6127	29.98924667	0.124078	241.6967284
28	L08	32890	CG10630	33.79465	0.117799667	286.8823907
28	L09	33378	CG6425	31.40448667	0.131603	238.630477
28	L10	32898	CG10877	30.76974	0.121849333	252.5228424
28	L11	33386	CG6620	16.91791667	0.103642	163.2341779
28	L12	32906	CG11062	31.21014333	0.106869	292.0411282
28	L13	33410	CG7405	30.74271333	0.105281333	292.0053571
28	L14	32914	CG11278	27.49345667	0.119951	229.2057312
28	L15	33418	CG7560	27.02945333	0.098849333	273.4409269
28	L16	32930	CG12177	31.17432667	0.112076667	278.1518009
28	L17	33434	CG8008	27.78665333	0.091832667	302.5791839
28	L18	32946	CG12661	22.07779667	0.093895667	235.1311562
28	L19	33402	CG7194	27.17973	0.090647333	299.8403704
28	L20	32938	CG12362	28.17431333	0.092249667	305.4137142
28	L21	33425	CG7748	22.77206667	0.090268	252.2717537
28	L22	32962	CG13024	29.73120667	0.097309333	305.5329396
28	L23	33395	CG6759	32.91900667	0.100805333	326.5601688
28	L24	32922	CG1169	33.80331	0.077819333	434.3819017
28	M01	29856	CG32005	33.47567	0.141827333	236.03116
28	M02	17632	CG14000	34.13572667	0.134074	254.6036269
28	M03	29852	CG31926	34.28401667	0.118017	290.5006623
28	M04	33197	CG30501	38.52487	0.127477	302.2103595
28	M05	29803	CG31907	26.94761	0.125467	214.7784676
28	M06	33171	CG1951	30.45889667	0.140884	216.1984091
28	M07	29862	CG31900	32.44863667	0.123796333	262.1130674
28	M08	33179	CG2184	31.64320667	0.132142333	239.4630537
28	M09	29854	CG31954	34.75215333	0.117662667	295.3541197
28	M10	33187	CG30177	29.22228667	0.115575	252.8426274
28	M11	30053	CG32319	28.39516333	0.105064333	270.2645363
28	M12	33211	CG31763	41.93133333	0.110668	378.8930254
28	M13	30054	CG32345	28.13981	0.110082	255.6258971
28	M14	33227	CG32531	29.24627667	0.111506	262.2843315
28	M15	30055	CG32374	28.70928333	0.102467667	280.1789508
28	M16	33235	CG32562	29.85525667	0.119216667	250.4285475
28	M17	30049	CG32247	29.98645667	0.101928	294.1925346
28	M18	33243	CG32668	26.04567	0.100668	258.7283943
28	M19	30051	CG32276	26.65323667	0.096263	276.8793479
28	M20	33195	CG30343	31.02545333	0.096840333	320.377391
28	M21	30064	CG32305	28.38918333	0.104848	270.7651394
28	M22	33200	CG31067	31.29801333	0.092017667	340.1304822
28	M23	30057	CG32234	30.22962667	0.101888667	296.69273
28	M24	33220	CG32220	30.9448	0.096352667	321.161843
28	N01	33258	CG3569	25.25728667	0.143329667	176.2181358
28	N02	33450	CG8485	28.11313667	0.166162667	169.1904519
28	N03	33427	CG7815	30.60652	0.160030667	191.254093
28	N04	32950	CG12796	25.58085	0.143015667	178.8674667
28	N05	33363	CG5778	25.52095333	0.138660333	184.0537428
28	N06	32883	CG10164	29.74765667	0.122418	243.0006753
28	N07	33371	CG6324	25.64904333	0.128208	200.0580567
28	N08	32891	CG10632	26.33679667	0.132132333	199.3213622
28	N09	33379	CG6428	27.42669667	0.113098333	242.503102
28	N10	32899	CG10895	18.90345	0.125336333	150.8217888
28	N11	33387	CG6661	26.64706667	0.112741667	236.3550891

28	N12	32907	CG11066	31.92904	0.114625333	278.5513383
28	N13	33411	CG7430	46.50853333	0.127737333	364.0950701
28	N14	32915	CG11313	24.64414	0.115443333	213.4739122
28	N15	33419	CG7581	51.35383	0.167407333	306.7597397
28	N16	32931	CG12200	28.58880333	0.109923	260.0802683
28	N17	33435	CG8091	28.12506667	0.145973333	192.6726343
28	N18	32947	CG12663	24.86310333	0.097735333	254.392168
28	N19	33403	CG7235	26.15791333	0.106567667	245.4582534
28	N20	32924	CG11888	3.134795	0.073412667	42.70100982
28	N21	33426	CG7807	24.17378	0.093068333	259.7422682
28	N22	32963	CG13026	28.02312333	0.096847333	289.3535874
28	N23	33396	CG6873	23.28987667	0.102341	227.571322
28	N24	32923	CG11883	23.88566667	0.094317333	253.2479007
28	O01	29868	CG32006	33.30571333	0.138218	240.9650938
28	O02	17647	CG14088	32.52238	0.132507667	245.4377231
28	O03	29864	CG31932	31.11439667	0.134352667	231.5874886
28	O04	33198	CG3060	44.14871667	0.161963667	272.5840775
28	O05	29863	CG31916	37.96020667	0.137279	276.5186712
28	O06	33172	CG1975	32.27826	0.138715	232.6948059
28	O07	29874	CG31902	34.13440667	0.128116667	266.4322102
28	O08	33180	CG2269	33.79081667	0.122922	274.8964113
28	O09	29992	CG32282	39.97706	0.176087	227.0301612
28	O10	33188	CG30178	32.42776667	0.143443667	226.0662141
28	O11	30004	CG32295	33.13837333	0.114215	290.140291
28	O12	33212	CG31826	34.15383333	0.118769667	287.5636035
28	O13	30028	CG32298	31.53857667	0.118832667	265.4032561
28	O14	33228	CG32535	41.53079333	0.102182	406.4394251
28	O15	30067	CG32375	31.60991667	0.103141667	306.4708734
28	O16	33236	CG32568	30.89058333	0.109948333	280.9554488
28	O17	30061	CG32248	29.66206667	0.110949667	267.3470553
28	O18	33244	CG3273	29.81413667	0.107133667	278.2891466
28	O19	30063	CG32279	40.17037	0.107835667	372.5146906
28	O20	33204	CG31357	29.54289667	0.099503667	296.9025932
28	O21		wts	116.32896	0.088698667	1311.507426
28	O22		HFA17794	2.990404667	0.034592	86.44786849
28	O23		hpo	75.64425	0.093865	805.8834496
28	O24		Luc	6.01741	0.093593	64.29337664
28	P01	33259	CG3615	39.71220333	0.161018667	246.6310531
28	P02	33451	CG8517	32.71175	0.162201	201.6741574
28	P03	33424	CG7716	30.18566	0.159439	189.324193
28	P04	32951	CG12812	28.40322	0.139577333	203.4945025
28	P05	33364	CG5812	26.83433333	0.138846333	193.2664168
28	P06	32884	CG10176	31.04102667	0.136624333	227.19984
28	P07	33372	CG6367	31.57294667	0.116118667	271.9024217
28	P08	32892	CG10659	28.61889667	0.124472333	229.9217497
28	P09	33380	CG6429	31.70819	0.118887667	266.7071437
28	P10	32900	CG10919	26.59414667	0.128420333	207.0867282
28	P11	33388	CG6688	31.11747	0.110230667	282.2941287
28	P12	32908	CG11094	32.04679667	0.128777	248.8549715
28	P13	33412	CG7454	30.408	0.111453	272.8324944
28	P14	32916	CG11326	29.80381333	0.109610667	271.9061405
28	P15	33420	CG7587	26.70835667	0.097850333	272.9511056
28	P16	32932	CG12213	31.67735667	0.097882	323.6280079
28	P17	33436	CG8137	27.88769667	0.110607333	252.1324385

28	P18	32955	CG12928	26.47174333	0.097526333	271.4317501
28	P19	33404	CG7263	28.70673667	0.097994333	292.9428232
28	P20	32940	CG12436	31.56256667	0.094908333	332.5584336
28	P21		wts	108.4413	0.075499	1436.327633
28	P22		HFA17794	2.321216	0.031843667	72.89411814
28	P23		hpo	73.30047333	0.078928333	928.6965813
28	P24		Luc	4.481125	0.087417667	51.26109139
29	A01		DIAP1	1.209721	0.011751333	102.9432972
29	A02		ex/ft	113.3087667	0.105823667	1070.731815
29	A03		Luc	3.680437	0.118102	31.16320638
29	A04		hpo	80.57966667	0.086698	929.4293602
29	A05	21948	CG17260	30.41638	0.100645	302.2145164
29	A06	33356	CG5528	30.16659333	0.106841	282.3503462
29	A07	21991	CG17085,CG6647	29.74413667	0.097317667	305.6396406
29	A08	24529	CG11048	23.17967333	0.085264667	271.8555556
29	A09	33261	CG3680	34.72539333	0.111082333	312.6095059
29	A10	24531	CG11154	22.8622	0.090364	253.0011952
29	A11	33277	CG40207	26.41495	0.092651	285.1016179
29	A12	24525	CG10949	30.52513333	0.105583333	289.1093923
29	A13	33317	CG4453	9.202756333	0.100336333	91.71908149
29	A14	24532	CG11242	22.87176333	0.090959333	251.4504284
29	A15	33285	CG40270	25.93812333	0.091748333	282.709477
29	A16	24526	CG31550	26.05522	0.092236333	282.4832586
29	A17	33301	CG40448	30.97465333	0.092759667	333.923724
29	A18	24528	CG12288	23.96997	0.079229667	302.537812
29	A19	33325	CG4756	26.63200667	0.078596	338.8468455
29	A20	24545	CG11325	24.92134667	0.069197333	360.148946
29	A21	33269	CG3971	30.14136	0.077517	388.8354812
29	A22	24548	CG12132	25.60681	0.079365667	322.6434184
29	A23	33294	CG40339	34.10467667	0.072957667	467.4584348
29	A24	24546	CG12076	27.98563	0.077111333	362.9249916
29	B01		DIAP1	1.324607333	0.01491	88.84019674
29	B02		ex/ft	117.7567333	0.127929	920.4850607
29	B03		Luc	3.858621667	0.132647667	29.08925399
29	B04		hpo	101.6702933	0.108966333	933.0431724
29	B05	19482	CG5074	33.66204667	0.116044333	290.0791939
29	B06	32997	CG13416	29.02922333	0.134680333	215.5416653
29	B07	19473	CG4022	24.64813333	0.097665	252.3742726
29	B08	33045	CG14185	37.72833333	0.126795667	297.5522297
29	B09	19483	CG5148	54.15183667	0.172137	314.5856885
29	B10	33061	CG14328	31.4377	0.109545333	286.9834711
29	B11	19492	CG4362	28.27880333	0.102495667	275.9024284
29	B12	33005	CG13647	26.65948	0.097504	273.4193469
29	B13	19493	CG5050	38.20430333	0.109059	350.3085791
29	B14	33029	CG14104	32.68595333	0.102743	318.1331413
29	B15	19488	CG5467	27.19515333	0.106065667	256.3992118
29	B16	33021	CG14031	32.43413333	0.103345667	313.8412512
29	B17	19489	CG4123	28.40456667	0.084876	334.6595818
29	B18	33013	CG13912	32.77653667	0.093320667	351.2248448
29	B19	19490	CG4196	27.84164	0.088131	315.9119946
29	B20	33069	CG14535	31.02461667	0.105862667	293.0647569
29	B21	32989	CG13288	13.20157	0.072364333	182.4319992
29	B22	33093	CG15249	28.35542	0.070494333	402.2368701
29	B23	32973	CG13078	32.14680667	0.093611	343.4084313

29	B24	33077	CG14756	34.51612	0.087639	393.8442931
29	C01	32965	CG13045	49.59792	0.115171333	430.6446627
29	C02	33341	CG5358	47.66322	0.115765	411.7239235
29	C03	32972	CG13077	42.79743333	0.11495	372.3134696
29	C04	33349	CG5439	40.69791	0.105884	384.363171
29	C05	21943	CG17786	37.08356667	0.113229	327.5094425
29	C06	24542	CG11115	47.59213	0.135933	350.1146153
29	C07	22025	CG13612,CG17784	39.50071667	0.112147667	352.2205842
29	C08	24541	CG11050	35.16328	0.088627	396.7558419
29	C09	33262	CG3698	48.70363	0.113939667	427.4510487
29	C10	24543	CG11164	41.8485	0.106348667	393.5028178
29	C11	33278	CG40211	35.59620667	0.103907667	342.5753634
29	C12	24537	CG10960	39.02438667	0.107935333	361.5533993
29	C13	33318	CG4475	44.27543667	0.107662667	411.2422443
29	C14	24544	CG11255	35.05770667	0.098972333	354.2172392
29	C15	33286	CG40285	33.36659667	0.094571	352.8205969
29	C16	24547	CG12108	35.30805333	0.090141	391.6980434
29	C17	33302	CG40451	23.52252	0.131780333	178.4979549
29	C18	24540	CG12292	31.99937	0.082647333	387.1797033
29	C19	33326	CG4779	33.30647667	0.093224333	357.2723502
29	C20	24557	CG11333	36.6593	0.090036333	407.1611831
29	C21	33339	CG5325	40.76716333	0.083573667	487.7991473
29	C22	24587	CG12268	42.28115	0.095970667	440.5632624
29	C23	33340	CG5336	29.94081333	0.089028333	336.3065691
29	C24	24558	CG12079	42.77575333	0.109655333	390.0927755
29	D01	19593	CG6708	45.81532	0.120637667	379.7762446
29	D02	33037	CG14157	46.38789667	0.128270333	361.6416631
29	D03	19642	CG6747	32.5394	0.152983333	212.6989868
29	D04	33053	CG14242	40.20232	0.112835333	356.2919416
29	D05	19494	CG5084	32.18363333	0.104544667	307.8457693
29	D06	32998	CG13428	37.61053667	0.098867333	380.4141914
29	D07	19526	CG4285	32.90611667	0.0926	355.3576314
29	D08	33046	CG14204	36.22801	0.120959333	299.5057016
29	D09	19497	CG5376	34.77802333	0.119571	290.8566737
29	D10	33062	CG14333	39.62422	0.116798667	339.2523316
29	D11	19503	CG4363	33.52731	0.098191	341.4499292
29	D12	32995	CG13333	40.19003667	0.120341	333.9679466
29	D13	19504	CG32437,CG32440	39.54576333	0.097859667	404.1068673
29	D14	33030	CG14105	35.30597	0.091215667	387.0603734
29	D15	19499	CG5474	27.96353	0.113407667	246.575305
29	D16	33022	CG14048	37.47682	0.095141	393.9081994
29	D17	19500	CG4125	36.25626333	0.081579	444.4313283
29	D18	33060	CG14324	31.66549667	0.091061667	347.736845
29	D19	19501	CG4207	35.43464333	0.083291667	425.4284342
29	D20	33070	CG14574	33.51704333	0.080533	416.1901746
29	D21	32980	CG13158	27.42590667	0.093820667	292.3226581
29	D22	33094	CG15283	33.53279333	0.081075	413.6021379
29	D23	32974	CG13110	38.50027667	0.085773	448.8624237
29	D24	33078	CG14770	37.24765667	0.077056	483.3842487
29	E01	32966	CG13046	99.65042667	0.132115667	754.2665392
29	E02	33342	CG5363	3.438657667	0.046440333	74.04463792
29	E03	21969	CG17196	57.58537333	0.105352333	546.5979871
29	E04	33350	CG5452	45.21105	0.099858	452.7534098
29	E05	21965	CG17777	60.46669333	0.096830333	624.4602415

29	E06	24554	CG11123	63.77707	0.107811333	591.5618333
29	E07	33333	CG5149	63.78498	0.086195333	740.0050273
29	E08	24553	CG11055	56.53618	0.097766667	578.2766451
29	E09	33263	CG3722	59.43783667	0.094510333	628.9030476
29	E10	24555	CG11173	58.52932667	0.096694333	605.3025513
29	E11	33279	CG40214	59.39462	0.100064667	593.562363
29	E12	24549	CG10964	55.42210333	0.097375667	569.1576266
29	E13	33319	CG4481	58.87828	0.092001	639.9743481
29	E14	24556	CG11261	49.08368	0.081475	602.4385394
29	E15	33287	CG40286	53.60471333	0.07954	673.9340374
29	E16	24559	CG12109	93.45776667	0.095253667	981.1461326
29	E17	33303	CG4086	63.50065667	0.081039333	783.5782213
29	E18	24575	CG12267	25.45248667	0.090623	280.8612236
29	E19	33327	CG4804	52.67250667	0.082771	636.3642661
29	E20	24569	CG11335	67.56291	0.071525333	944.6011203
29	E21	33271	CG3988	55.97191667	0.077953333	718.0182588
29	E22	24572	CG30008	57.82128333	0.07316	790.3401221
29	E23	33296	CG40371	57.22163333	0.073216	781.5454728
29	E24	24570	CG12082	46.77825667	0.071595333	653.3701917
29	F01	19605	CG6713	45.90416333	0.137374667	334.1530462
29	F02	33038	CG14164	50.38814	0.130410333	386.3814984
29	F03	19654	CG30016,CG6751	58.91723667	0.127159667	463.3327392
29	F04	33054	CG14258	46.60225333	0.132839	350.8175561
29	F05	19505	CG5099	24.55244	0.158185	155.2134526
29	F06	32999	CG13444	46.00274	0.118596333	387.8934425
29	F07	19496	CG4064	43.84975667	0.090167333	486.3153322
29	F08	33047	CG14215	49.26654	0.108454667	454.2592911
29	F09	19506	CG5177	29.17177	0.089853667	324.6586487
29	F10	33063	CG14342	42.84229667	0.100157	427.751397
29	F11	19515	CG5003	39.69353667	0.093395667	425.0040509
29	F12	33007	CG13732	49.98368333	0.097234333	514.0538493
29	F13	19516	CG5052	34.76968333	0.104739333	331.963955
29	F14	33031	CG14106	39.36956	0.08856	444.5523939
29	F15	19511	CG5498	40.11979333	0.079857333	502.3933515
29	F16	33023	CG14053	37.16862667	0.089561667	415.0059735
29	F17	19512	CG30389	37.87236333	0.071601	528.9362346
29	F18	33015	CG13926	39.38548	0.08192	480.7797852
29	F19	32981	CG13163	36.08873333	0.073172667	493.1996465
29	F20	33071	CG14641	96.57973333	0.089786667	1075.657856
29	F21	32991	CG13296	36.94621	0.085214333	433.5680226
29	F22	33085	CG15009	41.96468333	0.065824	637.5286117
29	F23	32975	CG13111	38.83449333	0.076519333	507.5121756
29	F24	33079	CG14772	35.24266667	0.076465667	460.8953038
29	G01	32967	CG13056	50.83381333	0.107995	470.7052487
29	G02	33343	CG5371	17.84713	0.089228333	200.0163999
29	G03	21975	CG17009	42.39047	0.090613	467.818856
29	G04	33351	CG5458	42.05926667	0.097356333	432.013668
29	G05	21966	CG17797	43.88960667	0.10553	415.8969645
29	G06	24566	CG11129	42.23754	0.087235	484.18112
29	G07	33334	CG5194	42.45279	0.102058	415.9672931
29	G08	24565	CG32626	34.36208333	0.091273	376.4758837
29	G09	33264	CG3738	45.49459	0.101106333	449.9677567
29	G10	24567	CG11196	43.81039667	0.101484667	431.6947388
29	G11	33280	CG40233	45.01167	0.081382	553.0912241

29	G12	24561	CG32112	42.76282333	0.077252333	553.5473362
29	G13	33320	CG4604	33.95708667	0.086328	393.3496278
29	G14	24568	CG11265	33.85455333	0.083393	405.9639698
29	G15	33288	CG40293	43.47620333	0.092115667	471.9740399
29	G16	24571	CG12121	30.11018667	0.073334333	410.5878556
29	G17	33304	CG4099	21.50380667	0.144972	148.3307581
29	G18	24564	CG12301	45.04805333	0.082702333	544.7011169
29	G19	33328	CG4968	34.66081667	0.078602667	440.9623507
29	G20	24581	CG11337	49.49559667	0.068911667	718.2469829
29	G21	33272	CG4000	39.76991333	0.074908667	530.912044
29	G22	24584	CG12139	51.70772	0.083604333	618.4813387
29	G23	33297	CG40376	41.15353333	0.073837667	557.3514873
29	G24	24582	CG33166	39.91905333	0.059966667	665.6873819
29	H01	19617	CG6716	44.42099667	0.114626	387.5298507
29	H02	33039	CG14166	41.78855667	0.115027	363.2934586
29	H03	19510	CG5403	45.44557667	0.104974667	432.9194663
29	H04	33055	CG14273	39.27565	0.114912333	341.7879427
29	H05	19517	CG32425	45.01086333	0.103934	433.0715967
29	H06	33000	CG13458	44.90330667	0.106069667	423.3378691
29	H07	19508	CG4068	33.77445	0.080989333	417.0234352
29	H08	33048	CG14218	34.39497667	0.084780333	405.6952281
29	H09	19521	CG5385	34.99596	0.082860667	422.3470726
29	H10	33064	CG14360	37.08300667	0.091184	406.6832631
29	H11	19527	CG5010	36.54741333	0.090965667	401.7715109
29	H12	33008	CG13785	37.14375667	0.083816333	443.1565447
29	H13	19528	CG5053	37.74894	0.068333	552.426207
29	H14	33032	CG14118	33.68494	0.085996667	391.700531
29	H15	19523	CG5500	33.45242333	0.076464333	437.4905512
29	H16	33024	CG14061	44.28075	0.081757667	541.6097573
29	H17	19548	CG33143	37.72892667	0.065304667	577.7370683
29	H18	33016	CG13950	37.25700667	0.079464333	468.8519378
29	H19	32982	CG13197	33.30369	0.071456667	466.0683398
29	H20	33072	CG14694	34.51603	0.073144333	471.8893238
29	H21	32992	CG13309	37.62936333	0.074506667	505.0469309
29	H22	33086	CG15028	40.52153333	0.078618	515.4231007
29	H23	32976	CG13113	44.28259	0.072241333	612.9813496
29	H24	33080	CG14793	36.89457333	0.069220333	533.0019599
29	I01	32964	CG13040	58.63653	0.124389333	471.3951625
29	I02	33344	CG5381	38.23968667	0.125057	305.7780585
29	I03	21993	CG17203	47.11680333	0.115519	407.8705956
29	I04	33352	CG5489	36.58424667	0.114315333	320.0292174
29	I05	21970	CG17226	33.93525	0.096925	350.1186484
29	I06	24578	CG11130	27.22906333	0.127348	213.8161835
29	I07	33335	CG5247	39.02785333	0.110877667	351.9902114
29	I08	24577	CG11069	33.66155	0.121714333	276.5619223
29	I09	33265	CG3759	31.32111	0.116509	268.8299616
29	I10	24579	CG11201	31.42843333	0.106625333	294.7557804
29	I11	33281	CG40245	35.08801	0.118551333	295.9731368
29	I12	24573	CG10990	31.64882333	0.087129333	363.2395902
29	I13	33321	CG4629	39.62801333	0.104871667	377.8714937
29	I14	24580	CG11275	31.55716667	0.097076	325.0769157
29	I15	33289	CG40297	33.55697667	0.090976333	368.8539144
29	I16	24574	CG12199	42.10401333	0.091074667	462.3021404
29	I17	33305	CG4116	36.78037333	0.079224	464.257969

29	I18	24576	CG12311	30.93142667	0.092189	335.5218808
29	I19	33329	CG4998	39.64837	0.097521667	406.5596021
29	I20	24593	CG12058	34.10538333	0.078658667	433.5871021
29	I21	33316	CG4450	41.11721333	0.081836333	502.432253
29	I22	24596	CG12140	30.88355667	0.081163	380.5127542
29	I23	33298	CG40394	36.12239667	0.068502	527.3188617
29	I24	24611	CG12286	34.39578	0.067653333	508.4121994
29	J01	19594	CG6737	42.67912667	0.150045	284.4421785
29	J02	33040	CG14177	30.73206333	0.130204	236.0301015
29	J03	19522	CG5413	34.82695333	0.109797	317.1940338
29	J04	33056	CG14274	34.87817667	0.132183667	263.8614705
29	J05	19529	CG5107	32.22829	0.114611667	281.1955444
29	J06	33001	CG13459	32.3473	0.11199	288.8409679
29	J07	19533	CG5387	35.54784	0.115509333	307.7486379
29	J08	33049	CG14221	40.12336	0.119882	334.6904456
29	J09	19530	CG3983,CG5184	31.51350333	0.122603	257.0369676
29	J10	33065	CG14369	40.30282333	0.102489667	393.2379199
29	J11	19538	CG5034	53.41163667	0.088903333	600.7832852
29	J12	33009	CG1381	40.17276667	0.132144667	304.0059632
29	J13	19539	CG5059	38.00381667	0.093199333	407.7691901
29	J14	33033	CG14125	32.62820667	0.094796	344.1939182
29	J15	19531	CG13503,CG5303	30.12532667	0.086794333	347.0886348
29	J16	33044	CG14184	35.87797	0.069898	513.290366
29	J17	19536	CG4139	28.86700667	0.080498667	358.6022957
29	J18	33090	CG15153	29.19726667	0.093254667	313.0917488
29	J19	32983	CG13198	35.26639333	0.076803	459.1798931
29	J20	33073	CG14696	28.72120333	0.082689333	347.3386733
29	J21	32993	CG13310	36.71769667	0.090184667	407.1390185
29	J22	33087	CG15033	30.45658	0.072748667	418.6548207
29	J23	32977	CG13116	32.78219	0.077664333	422.1009644
29	J24	33081	CG14817	44.80072	0.088419333	506.6846617
29	K02	33345	CG5400	36.70449333	0.121322667	302.536157
29	K03	22005	CG17204	33.47681	0.109858667	304.7261633
29	K04	33353	CG5504	31.82248	0.103223	308.2886566
29	K05	21982	CG17228	36.95067	0.094787667	389.8257157
29	K06	24590	CG11134	28.74768667	0.106316333	270.3976498
29	K07	33336	CG5279	32.60346	0.114551667	284.6179453
29	K08	24589	CG11070	28.90372	0.108749	265.7837773
29	K09	33266	CG3830	33.09330333	0.118671	278.8659684
29	K1	32969	CG13065	28.70773667	0.085764333	334.7281504
29	K10	24591	CG11203	25.30595667	0.083499333	303.067769
29	K11	33282	CG40263	28.45861333	0.088003667	323.3798592
29	K12	24595	CG12125	32.75309667	0.104343333	313.8973581
29	K13	33322	CG4701	29.80308333	0.097847	304.5886265
29	K14	24607	CG12128	30.79802667	0.084715667	363.5458219
29	K15	33290	CG40305	32.55775667	0.080999667	401.9492673
29	K16	24586	CG12203	42.54027667	0.083363667	510.2975717
29	K17	33306	CG4152	11.369855	0.113765	99.94159012
29	K18	24588	CG12317	26.93378333	0.082106667	328.0340614
29	K19	33330	CG5005	30.89928333	0.083476	370.15769
29	K20	24605	CG12065	29.67537	0.076551	387.6548967
29	K21	33274	CG40148	32.41632333	0.073890333	438.7085816
29	K22	24608	CG12153	38.78869667	0.061947667	626.1526665
29	K23	33299	CG40402	40.18579333	0.066891	600.7653247

29	K24	24606	CG12086	29.02068	0.063672333	455.781632
29	L01	19641	CG6719	63.18019667	0.144848333	436.1817303
29	L02	33018	CG13955	42.22261333	0.145151333	290.8868445
29	L03	19534	CG5445	36.88534	0.126132	292.4344338
29	L04	32994	CG13317	33.53825667	0.117798333	284.7090932
29	L05	19540	CG5134	16.68561667	0.100383667	166.2184419
29	L06	33002	CG13460	28.21374	0.102008333	276.5826975
29	L07	19532	CG4079	22.67786	0.080962667	280.1026811
29	L08	33050	CG14225	29.55324667	0.105762	279.4316169
29	L09	19541	CG5203	29.79021667	0.097236333	306.3691898
29	L10	33066	CG14370	27.92115333	0.082022	340.4105403
29	L11	19550	CG5043	33.54907333	0.090141	372.1843926
29	L12	33010	CG13875	27.08066	0.100687	268.9588527
29	L13	19551	CG5068	26.16199667	0.090194667	290.0614597
29	L14	33034	CG14147	30.58592667	0.094428	323.9073862
29	L15	19546	CG32912	29.18390333	0.086116	338.8906049
29	L16	33026	CG1407	34.28121333	0.083549	410.3126708
29	L17	19547	CG4153	16.62847	0.057385667	289.7669569
29	L18	33091	CG15162	25.07079	0.076001	329.8744753
29	L19	32984	CG13203	25.85890667	0.065136	396.9986899
29	L20	33074	CG14698	29.97869667	0.063157333	474.6669165
29	L21	32987	CG13253	32.51809	0.096395667	337.339749
29	L22	33088	CG15046	28.99937333	0.069973	414.436616
29	L23	32978	CG13117	28.31453333	0.077002	367.7116612
29	L24	33082	CG14856	32.50634667	0.067100667	484.4414859
29	M01	32970	CG13067	47.32951	0.134779667	351.1620942
29	M02	33346	CG5402	38.44195333	0.137014333	280.5688456
29	M03	22017	CG17205	34.37611	0.101103333	340.0096601
29	M04	33348	CG5434	28.50635667	0.107128	266.0962276
29	M05	21994	CG17241	34.40719	0.108846	316.1089062
29	M06	24602	CG11140	40.82812333	0.098335667	415.1914022
29	M07	33312	CG4427	30.60508333	0.099599667	307.2809815
29	M08	24601	CG11081	40.6794	0.111024	366.4018591
29	M09	33267	CG3938	7.582766667	0.038595	196.4701818
29	M10	24603	CG11206	37.26965333	0.108697333	342.8755075
29	M11	33283	CG40267	39.11914	0.105393333	371.172813
29	M12	24597	CG11009	38.83212333	0.101209	383.6825118
29	M13	33323	CG4721	38.59016667	0.094236	409.5055676
29	M14	24604	CG11299	35.29123	0.090889667	388.2864939
29	M15	33314	CG4447	38.51042667	0.079252	485.9237201
29	M16	24598	CG32533	37.38767	0.085581333	436.8671128
29	M17	33310	CG4396	34.92934	0.085916667	406.5490592
29	M18	24600	CG12323	6.163064667	0.065563333	94.0016981
29	M19	33315	CG4448	46.65882	0.095688667	487.6107237
29	M20	24617	CG12068	32.12369333	0.072928333	440.4830313
29	M21	33275	CG40164	30.99262333	0.083337667	371.8921416
29	M22	24620	CG12155	23.76342333	0.075081333	316.5024152
29	M23	33300	CG40440	36.01010333	0.079272667	454.256238
29	M24	24250	CG3081	39.51138	0.088625667	445.823219
29	N01	19653	CG6727	52.88411333	0.145064	364.557115
29	N02	33042	CG14181	46.55731667	0.124440667	374.1326522
29	N03	19545	CG5455	43.44721667	0.130020333	334.1570934
29	N04	33058	CG14316	42.20481667	0.118037333	357.5548132
29	N05	19552	CG5140	42.00609667	0.102509333	409.7782641

29	N06	33003	CG13477	42.44275667	0.123587333	343.4231933
29	N07	19543	CG4080	32.85937667	0.111951667	293.5139569
29	N08	33051	CG14235	41.22193333	0.132482667	311.1496347
29	N09	19507	CG5274	48.46968	0.119548667	405.4389008
29	N10	33067	CG14372	39.08727	0.104403	374.3883796
29	N11	19562	CG5045	47.86911667	0.096400333	496.5658832
29	N12	33011	CG13888	45.30238667	0.120786333	375.0621897
29	N13	19563	CG5073	28.92965	0.099279667	291.3955191
29	N14	33020	CG14024	38.93974333	0.090622	429.6941508
29	N15	19558	CG5532,CG9850	37.16846	0.072619667	511.8236107
29	N16	33027	CG14070	37.71878	0.100036333	377.0508049
29	N17	19559	CG4158	36.31937	0.077656667	467.6915912
29	N18	33092	CG15200	34.40242	0.082589	416.5496616
29	N19	32985	CG13225	34.82783	0.083133	418.9410944
29	N20	33075	CG14739	39.47015333	0.083232667	474.2146913
29	N21	32988	CG13271	36.89902	0.087291667	422.709537
29	N22	33089	CG15081	39.71809	0.083174333	477.5282038
29	N23	32979	CG13129	37.07333	0.073846	502.035723
29	N24	33083	CG14915	32.04650667	0.069296	462.4582467
29	O01	32971	CG13072	34.35690667	0.125973333	272.7315834
29	O02	33347	CG5404	37.10164667	0.122259333	303.4667837
29	O03	22028	CG17186	32.29304333	0.110947333	291.0664219
29	O04	33355	CG5526	34.21092333	0.111763667	306.1005813
29	O05	22014	CG17848	36.10426667	0.11032	327.2685521
29	O06	24614	CG11141	32.45852	0.117659667	275.8678562
29	O07	33338	CG5308	26.17100667	0.102156	256.1866818
29	O08	24613	CG11095	37.45827667	0.104363333	358.9218116
29	O09	33268	CG3956	33.97027333	0.109411	310.4831629
29	O10	24615	CG11237	30.49534333	0.102292333	298.1195398
29	O11	33284	CG40268	34.47024333	0.112099667	307.4963946
29	O12	24563	CG12262	37.99224	0.122636	309.796797
29	O13	33324	CG4734	38.00469	0.110744333	343.1750308
29	O14	24616	CG11305	32.72497	0.109149667	299.8174067
29	O15	33292	CG40328	33.34193	0.096494333	345.5325183
29	O16	24610	CG33135	32.37048667	0.10172	318.2312885
29	O17	33311	CG4408	36.44971667	0.083226667	437.9571852
29	O18	24618	CG12090	35.25298	0.084927333	415.0958074
29	O19	33332	CG5142	36.00081333	0.084816	424.4578067
29	O20	24619	CG12129	39.96870333	0.093216333	428.7736055
29	O21		wtg	147.4129	0.067154	2195.146976
29	O22		HFA17794	3.464617	0.014290667	242.4391444
29	O23		hpo	96.29262667	0.070110333	1373.444143
29	O24		Luc	5.377489	0.089924	59.80037587
29	P01	19630	CG6746	33.75097333	0.135721	248.6790794
29	P02	33043	CG14182	39.84318	0.135461333	294.1295425
29	P03	19557	CG5461	20.24104667	0.106609	189.8624569
29	P04	33019	CG13958	26.13032	0.135212	193.2544449
29	P05	19525	CG4220	27.61443667	0.124236333	222.2734358
29	P06	33004	CG13479	34.71646333	0.132167333	262.6705288
29	P07	19555	CG4089	33.11110333	0.111213667	297.7251297
29	P08	33052	CG14239	38.70241333	0.130500333	296.5694596
29	P09	19565	CG5242	28.80596667	0.122848667	234.4833481
29	P10	33068	CG14518	34.81313667	0.115127	302.3889849
29	P11	19537	CG4229	31.79216	0.096516667	329.3955448

29	P12	33012	CG13895	32.46898	0.118938667	272.9892718
29	P13	19519	CG5263,CG5280	30.01035333	0.125155	239.7854927
29	P14	33036	CG14156	32.84389667	0.118575	276.9883759
29	P15	19554	CG5327	29.91374333	0.099675667	300.1107927
29	P16	33028	CG14085	36.26864667	0.092212667	393.3152351
29	P17	19566	CG5360	24.69194333	0.115676	213.4577901
29	P18	33084	CG14933	27.40946	0.105022	260.987793
29	P19	32986	CG13230	32.71449333	0.080333667	407.2326671
29	P20	33076	CG14748	32.94522	0.088437	372.527562
29	P21		wts	122.6378	0.068774667	1783.182761
29	P22		HFA17794	2.466314667	0.012602	195.7081945
29	P23		hpo	81.44046667	0.085089667	957.1134764
29	P24		Luc	3.861053	0.082898667	46.5755742
30	A01		DIAP1	0.997566667	0.012015667	83.02216551
30	A02		ex/ft	95.02202667	0.096425667	985.4432948
30	A03		Luc	3.791471	0.116132667	32.6477563
30	A04		hpo	77.02650333	0.089246667	863.0742885
30	A05	19191	CG5044	28.38286667	0.113311	250.4864194
30	A06	24107	CG6115	29.32707	0.089997	325.8671956
30	A07	19185	CG4261	44.90109	0.112442333	399.3254913
30	A08	25398	CG12093	27.31493333	0.098929667	276.1045726
30	A09	19189	CG4318	26.02745667	0.097899	265.8602914
30	A10	25389	CG11041	22.27966	0.081226667	274.2899705
30	A11	19194	CG5144	25.08354	0.084440667	297.0552104
30	A12	25395	CG11177,CG12175	30.62876667	0.103454	296.0616957
30	A13	19187	CG5302	25.82208	0.092287667	279.799901
30	A14	25392	CG12677	25.39665	0.084026333	302.2463196
30	A15	24051	CG4966	27.41283667	0.083652333	327.6996059
30	A16	25394	CG11136	26.30801667	0.081679333	322.0890229
30	A17	24052	CG5676	29.21717667	0.076324667	382.8012351
30	A18	24912	CG13398	25.67089	0.091764667	279.7469978
30	A19	24055	CG5872	32.46210667	0.080601	402.7506689
30	A20	16635	CG13978	30.58085333	0.078994667	387.1255443
30	A21	24068	CG5941	30.59154667	0.083521333	366.2722498
30	A22	16640	CG14066	36.84231333	0.093615	393.5513896
30	A23	24065	CG5738	16.69378667	0.095958333	173.9691185
30	A24	16641	CG14101	33.98368333	0.078423667	433.3345376
30	B01		DIAP1	0.997706667	0.012944333	77.0767131
30	B02		ex/ft	84.9682	0.133536	636.2943326
30	B03		Luc	4.528239333	0.115600667	39.17139463
30	B04		hpo	86.08754667	0.119105333	722.7849858
30	B05	25104	CG14585	29.54947	0.127812667	231.1935958
30	B06	24243	CG3433	26.87123667	0.122253667	219.7990244
30	B07	25103	CG14507,CG14514	24.64972	0.130355	189.0968509
30	B08	24239	CG4977	32.61781333	0.096374	338.4503428
30	B09	18618	CG6484	26.56946667	0.102487	259.2471891
30	B10	24245	CG3592	31.55561	0.093753333	336.581206
30	B11	18619	CG6514	28.54729333	0.104538333	273.0796677
30	B12	24273	CG4846	26.85341333	0.099837333	268.9716606
30	B13	18610	CG6629	34.55474333	0.104459667	330.7950756
30	B14	19573	CG6299	22.92317333	0.101077	226.7892135
30	B15	18612	CG33092	29.22921	0.078331	373.1499662
30	B16	19576	CG6574	26.08482667	0.086488333	301.5993679
30	B17	18620	CG6550	26.13600333	0.081260333	321.6329821

30	B18	19567	CG5538	23.10349	0.086928333	265.7762908
30	B19	18611	CG32054	24.88021667	0.104218333	238.7316691
30	B20	19571	CG5575	21.24302	0.090282	235.2962938
30	B21	23187	CG3040	25.63469	0.074225	345.3646346
30	B22	19578	CG6618	27.57393	0.084575667	326.0267532
30	B23	23188	CG3099	31.03465333	0.076928667	403.4211781
30	B24	19569	CG6693	29.83915333	0.082615667	361.180325
30	C01	19202	CG4356	38.65993333	0.115275	335.3713583
30	C02	24069	CG6014	40.83829333	0.092310667	442.4005893
30	C03	19198	CG5267	40.09187333	0.115053	348.4643889
30	C04	24084	CG6163	40.68153667	0.092621	439.2258415
30	C05	19217	CG5130	37.64038667	0.095569	393.8556087
30	C06	24119	CG6118	39.51418333	0.102338333	386.1132192
30	C07	19197	CG4271	35.16227333	0.107423667	327.3233397
30	C08	25410	CG11265,CG12112	34.20538	0.093968	364.0109399
30	C09	19201	CG4320	21.99706667	0.0791	278.0918668
30	C10	25401	CG11044	41.23047333	0.089000333	463.2620103
30	C11	19280	CG5255	43.25820333	0.092035	470.0190507
30	C12	25407	CG11182	36.26121	0.099748333	363.5269762
30	C13	19199	CG5310	42.54504667	0.093915667	453.0133063
30	C14	25404	CG12693	29.98591	0.076901667	389.9253592
30	C15	24078	CG5808	39.22271333	0.111589333	351.4916002
30	C16	25412	CG12253,CG16833	35.03315	0.085054	411.8930327
30	C17	24064	CG5694	35.99297	0.087335667	412.1222334
30	C18	24971	CG13377	35.79682	0.076001667	471.0004605
30	C19	24102	CG31651,CG5827	7.986015667	0.099100667	80.58488338
30	C20	16647	CG13990	36.42188667	0.071895	506.5983263
30	C21	24080	CG5945	38.17780667	0.070462	541.8212181
30	C22	16652	CG14073	29.02670667	0.079345	365.8290588
30	C23	24077	CG5746	54.41392333	0.078841333	690.1700039
30	C24	16644	CG14222	35.74201	0.070930333	503.9030316
30	D01	16648	CG8788	52.54539333	0.153288333	342.7879486
30	D02	24253	CG5846	39.52731667	0.114174	346.2024337
30	D03	16717	CG14351	38.32061	0.123476	310.3486507
30	D04	24258	CG4440	34.70217	0.108697	319.2560052
30	D05	25116	CG14597	27.7148	0.135793	204.0959401
30	D06	24255	CG32038,CG3448	39.84274	0.122425	325.4461099
30	D07	25115	CG14515	35.39090667	0.101923	347.2317992
30	D08	24260	CG4706	39.23097333	0.093059	421.5709747
30	D09	18630	CG6488	34.1539	0.099800333	342.2223039
30	D10	24257	CG3594	37.88905333	0.099798667	379.6549052
30	D11	18631	CG6522	39.48059667	0.088378333	446.7225753
30	D12	24285	CG31806,CG33179	40.78348667	0.094047333	433.6485174
30	D13	18622	CG6630	49.57	0.096580667	513.2497187
30	D14	19585	CG6301	35.52512	0.087126	407.7441866
30	D15	18624	CG6672	34.62874667	0.082229	421.125718
30	D16	19587	CG5939,CG6533	38.42652	0.084159	456.5943036
30	D17	18632	CG6554	44.25743333	0.074322667	595.4769294
30	D18	19579	CG5545	18.84413	0.082641667	228.0221438
30	D19	18623	CG6646	35.23428667	0.072551667	485.6440697
30	D20	19583	CG32190	31.21433667	0.066508	469.3320603
30	D21	23199	CG32732	40.56404333	0.087882333	461.5722159
30	D22	19590	CG6628	41.41201	0.079780667	519.0732508
30	D23	23200	CG3108	37.57228	0.05892	637.6829599

30	D24	19581	CG6694	17.10239333	0.050353	339.6499381
30	E01	19200	CG5348	83.14206667	0.111386667	746.4274599
30	E02	24085	CG6213	30.85280333	0.064136333	481.0503147
30	E03	19248	CG5372	53.15464333	0.099090667	536.4243185
30	E04	24096	CG6156,CG6171	52.55834333	0.110596	475.2282482
30	E05	19229	CG5131	49.63517	0.102417333	484.6364222
30	E06	25421	CG11321	54.41018333	0.091599333	594.0019578
30	E07	19209	CG4278	48.79074333	0.087547	557.3091406
30	E08	25422	CG12106,CG12118	52.15354667	0.089596	582.0968198
30	E09	19231	CG5197	58.05987	0.089319333	650.0257876
30	E10	25413	CG11051	54.88239333	0.099599667	551.0298897
30	E11	19218	CG5162	52.57331333	0.092109333	570.7707507
30	E12	25393	CG11073	58.74519667	0.088845	661.2099349
30	E13	19211	CG5313	61.85399333	0.093768667	659.6445863
30	E14	25416	CG12698	56.00000333	0.067187	833.4946245
30	E15	24075	CG4984	51.40633667	0.090989667	564.9689525
30	E16	25418	CG11145	53.57329	0.079438	674.4038118
30	E17	24076	CG5699	51.80528667	0.078373333	661.0065498
30	E18	24936	CG13404	39.03184667	0.084009667	464.6113741
30	E19	24079	CG5882	46.39177667	0.065822667	704.7994105
30	E20	16659	CG13995	48.34459333	0.078695	614.3286528
30	E21	24092	CG5969,CG5976	54.13134333	0.082052333	659.7172942
30	E22	16664	CG14076	52.11699	0.061448333	848.143264
30	E23	24089	CG5758	47.85112	0.068479667	698.7639153
30	E24	16663	CG14040	43.14155333	0.078256667	551.2827874
30	F01	16680	CG14227	51.51064667	0.121051	425.5284687
30	F02	24265	CG5860	45.83321	0.112898667	405.9676819
30	F03	16729	CG14353	53.81642667	0.116650667	461.3469276
30	F04	24259	CG4585	37.48738667	0.151913333	246.7682451
30	F05	25128	CG31501	45.68653	0.133371	342.552204
30	F06	24267	CG3457	46.92372333	0.112646333	416.5579291
30	F07	25127	CG14521	43.12914	0.090650667	475.7730041
30	F08	24263	CG4986	44.64398333	0.101034333	441.8694305
30	F09	18642	CG6490	45.26829	0.089264	507.1281816
30	F10	24274	CG3096	40.73631	0.096151333	423.6686959
30	F11	18643	CG6523	36.00802667	0.093325333	385.8333571
30	F12	24297	CG31095	40.16561	0.081764667	491.2343147
30	F13	18634	CG6632	78.83449667	0.086862333	907.5797718
30	F14	19597	CG6304	32.35828667	0.074038333	437.0477455
30	F15	18636	CG6673	39.96004333	0.081321667	491.3824934
30	F16	19600	CG6577	38.51614667	0.086775	443.8622491
30	F17	18644	CG6565	44.23537333	0.078729	561.8688582
30	F18	19591	CG5546	16.89615667	0.056732	297.8240969
30	F19	18635	CG6649	35.03300333	0.075269	465.4373425
30	F20	19595	CG5595	33.59315333	0.089828333	373.9705735
30	F21	23211	CG3044	40.84791	0.066105	617.9246653
30	F22	19602	CG6633	43.45532667	0.066035333	658.0617447
30	F23	23222	CG3014	34.34849667	0.070122333	489.8367615
30	F24	19589	CG6596	40.51303333	0.062017667	653.2498804
30	G01	19226	CG5008	39.75865	0.094177	422.1694257
30	G02	24093	CG6026	45.89082	0.106393333	431.331725
30	G03	19260	CG5377	45.9148	0.099467667	461.6052788
30	G04	24108	CG13335	37.24094	0.096810333	384.6793903
30	G05	19241	CG5133	42.55993333	0.104020667	409.148823

30	G06	25433	CG11339	37.42338333	0.085902667	435.6486799
30	G07	19235	CG5322	42.98822333	0.094092	456.8743712
30	G08	25434	CG12124	55.9847	0.089386667	626.3204803
30	G09	19243	CG5204	40.98691	0.083403667	491.4281546
30	G10	25403	CG12600	66.65181333	0.086546333	770.1286787
30	G11	19230	CG5167	44.38236667	0.103123	430.3828115
30	G12	25477	CG11120	40.64457667	0.088138333	461.145283
30	G13	19272	CG5379	38.55464667	0.081066667	475.5918586
30	G14	25402	CG33041	40.10951	0.084368667	475.4076553
30	G15	24087	CG32778	49.63842667	0.076719	647.0160803
30	G16	25415	CG31732	42.00591333	0.081229667	517.1252703
30	G17	24088	CG5704	39.81779667	0.078231	508.977217
30	G18	24948	CG32475	48.35542333	0.078464	616.275277
30	G19	24091	CG5895	39.61778	0.066955667	591.7016732
30	G20	16671	CG14014	39.78356	0.073613667	540.4371471
30	G21	24104	CG5422,CG5986	41.74954333	0.069598667	599.8612521
30	G22	16676	CG14077	39.69054667	0.065185	608.890798
30	G23	24101	CG5773	39.26198333	0.078098333	502.7249835
30	G24	16675	CG14043	41.80475333	0.065085667	642.3035282
30	H01	16685	CG8924	43.6167	0.109578333	398.0412795
30	H02	24277	CG5866	29.10824	0.098937333	294.2088595
30	H03	16721	CG8937	30.49419667	0.085404	357.0581784
30	H04	24254	CG3280	35.22716	0.116085667	303.4583081
30	H05	25140	CG14606	35.71294667	0.102262	349.2298866
30	H06	24300	CG5756	39.40082	0.099283	396.8536406
30	H07	25187	CG14584	44.26638	0.086090333	514.185255
30	H08	24275	CG5619	37.07301333	0.103424	358.45658
30	H09	18654	CG6501	25.57631333	0.135447	188.8289392
30	H10	24281	CG3610	33.34241667	0.085638	389.3413749
30	H11	18655	CG31390	13.0769	0.081377667	160.693966
30	H12	24309	CG4891	37.23655333	0.085202	437.0384889
30	H13	18646	CG6637	36.02221667	0.092688333	388.6380882
30	H14	19609	CG6310	38.82949333	0.076519333	507.4468326
30	H15	18648	CG6674	36.3479	0.079996667	454.367682
30	H16	19612	CG6578	38.17185333	0.078305333	487.4745015
30	H17	18656	CG6598	41.52551	0.065685667	632.185256
30	H18	19568	CG6660	31.50741333	0.062148333	506.9711711
30	H19	18647	CG6650	36.03763667	0.065533	549.9158694
30	H20	19632	CG6281	34.48843	0.067209667	513.1468688
30	H21	23223	CG3052	37.25533667	0.097121333	383.5958114
30	H22	19640	CG6690	34.19442	0.063445333	538.9587887
30	H23	23234	CG3018	60.4611	0.177255333	341.0960836
30	H24	19601	CG6599	40.39601667	0.067021667	602.730709
30	I01	19224	CG5362	43.68639333	0.108265	403.5135393
30	I02	24105	CG6040	39.16135333	0.100768333	388.6275781
30	I03	19234	CG5277	32.49129333	0.171474333	189.4819633
30	I04	24120	CG6184	30.11675667	0.100521333	299.6056227
30	I05	19239	CG5065	32.79524333	0.099825667	328.5251622
30	I06	25445	CG11340	30.87571	0.086146667	358.4086442
30	I07	19244	CG5246	39.74099333	0.0968	410.5474518
30	I08	25446	CG12131	35.47078333	0.119982	295.6342062
30	I09	19255	CG5205	53.51667667	0.099579	537.4293442
30	I10	25437	CG11064	34.58246333	0.088820667	389.3515398
30	I11	19271	CG5344	34.95296	0.093948333	372.0444925

30	I12	25443	CG11205,CG30383	37.48863333	0.089871333	417.1367214
30	I13	24086	CG4951	38.66487	0.099399333	388.9852045
30	I14	25440	CG13298	62.8037	0.136845	458.940407
30	I15	24099	CG5620	34.18370333	0.085114667	401.6194232
30	I16	24923	CG30485	33.55398	0.084044333	399.2414321
30	I17	24100	CG5708	32.58256333	0.092262	353.15258
30	I18	24960	CG13409	33.85848667	0.081917	413.3267413
30	I19	24103	CG31184,CG33108	30.27268	0.077855333	388.8324499
30	I20	16683	CG14015	33.94529667	0.082165333	413.1340468
30	I21	24116	CG5994	20.88997333	0.076826333	271.9116275
30	I22	16643	CG14200	35.55849333	0.076227	466.4816054
30	I23	24138	CG5867	34.23466667	0.069128	495.2358909
30	I24	16687	CG14045	40.90919	0.078679667	519.946153
30	J01	16684	CG8818	35.19400333	0.153768	228.8772913
30	J02	24280	CG3570	35.96541667	0.139889333	257.099064
30	J03	25162	CG14506	26.60117333	0.102735667	258.9283177
30	J04	24304	CG3578	26.52506333	0.120282333	220.523352
30	J05	25152	CG14618	33.14577	0.115181	287.7711602
30	J06	24291	CG3494	29.13919667	0.098753	295.0715084
30	J07	25151	CG14549	28.21479	0.098880667	285.3418262
30	J08	24287	CG5623	28.97785333	0.105776	273.9548984
30	J09	18666	CG6502	38.55977	0.105043333	367.0844096
30	J10	24331	CG4680	37.42931333	0.103301667	362.330198
30	J11	18667	CG31852	36.60547333	0.093567333	391.2206539
30	J12	19584	CG6265	34.84008	0.084972333	410.0167506
30	J13	18658	CG6638,CG6831	38.53753667	0.091813	419.7394341
30	J14	19621	CG31147,CG6325	33.28721667	0.096941667	343.3736783
30	J15	18660	CG30281	35.20890667	0.097211	362.1905614
30	J16	19624	CG6585	35.55027	0.085853	414.0830256
30	J17	18668	CG6605	30.61841	0.076932667	397.9897139
30	J18	19611	CG6547	30.7658	0.07021	438.1968381
30	J19	18659	CG6654	32.84644	0.088633333	370.5878902
30	J20	19644	CG6283	27.14362667	0.077277333	351.2495255
30	J21	23235	CG3057	32.20149667	0.080290667	401.0615182
30	J22	19626	CG6640	26.04566333	0.079376333	328.1288293
30	J23	23246	CG3022	30.43213	0.073656667	413.1619224
30	J24	19613	CG6600	31.75409	0.06573	483.0988894
30	K02	24117	CG6042	40.39032667	0.096838667	417.088835
30	K03	19246	CG5278	27.67398667	0.108015333	256.2042426
30	K04	24132	CG6185	36.33793667	0.109925667	330.5682628
30	K05	19251	CG5067	29.31055	0.112579333	260.354624
30	K06	25468	CG11271	36.67929667	0.111113	330.1080582
30	K07	19245	CG4311	28.90532333	0.139909333	206.6003936
30	K08	25390	CG3915	28.55859333	0.089553333	318.9003946
30	K09	19249	CG4334	31.02235667	0.081297333	381.5913191
30	K1	19250	CG5030	33.99064333	0.084846667	400.6125953
30	K10	25432	CG11249	32.42062667	0.083259667	389.3917423
30	K11	19254	CG5183	12.55771333	0.107307667	117.0253135
30	K12	25455	CG11218	26.23181667	0.091348	287.1635577
30	K13	24054	CG5791	34.21323333	0.083066333	411.8784586
30	K14	25462	CG12534	30.11609667	0.086184	349.4395325
30	K15	24111	CG5632	31.26146667	0.086059	363.2562157
30	K16	24935	CG13359	31.45512667	0.100237	313.8075428
30	K17	24112	CG5714	26.07953333	0.071984333	362.2945734

30	K18	24983	CG13379	34.35592	0.068898667	498.6441924
30	K19	24115	CG5929	30.60863	0.065740333	465.5989474
30	K20	16666	CG14173	30.67725667	0.076454333	401.2494169
30	K21	24128	CG18766	31.21036667	0.061454333	507.862749
30	K22	16700	CG14080	28.36388333	0.080848333	350.8282999
30	K23	24125	CG5780,CG6167	30.84727333	0.074448	414.3465685
30	K24	16702	CG14189	32.53169667	0.066509333	489.1297963
30	L01	16728	CG14257	37.07632	0.137285667	270.0669407
30	L02	24292	CG31245,CG31404	38.19906	0.128807	296.5604354
30	L03	25174	CG14508	31.44449667	0.106437667	295.4263998
30	L04	24306	CG4553	28.57179333	0.120322333	237.4604327
30	L05	25164	CG14629	30.03503667	0.114385333	262.5776906
30	L06	24303	CG3517	26.36533	0.097177	271.3124505
30	L07	18653	CG6461	30.34101333	0.094670667	320.4901201
30	L08	24299	CG5653	30.06262333	0.104019667	289.0090335
30	L09	18678	CG6506	37.731	0.105957667	356.0950442
30	L10	24310	CG3213	32.34472	0.096656333	334.6363232
30	L11	18679	CG6538	22.61119333	0.072957	309.924933
30	L12	19596	CG6276	25.48615	0.080770667	315.5372
30	L13	18670	CG6639	31.65242333	0.088465	357.7960022
30	L14	19633	CG6329	26.40009667	0.066872	394.7855106
30	L15	18672	CG6678	29.45276333	0.079455	370.6848321
30	L16	19636	CG6588	25.87019	0.081289333	318.2482737
30	L17	18680	CG6615	23.87312667	0.074900667	318.7304964
30	L18	19592	CG6665	27.60159333	0.067058667	411.6036704
30	L19	18671	CG6656	28.84306333	0.064773	445.2945414
30	L20	19631	CG5612	26.81382333	0.060071667	446.3638987
30	L21	23247	CG3088	31.42187	0.075923	413.8649685
30	L22	19638	CG6642	29.11046333	0.070812667	411.091189
30	L23	23280	CG2998	6.744092667	0.082529667	81.71719261
30	L24	19625	CG6604	29.17027333	0.059528	490.0260942
30	M01	19262	CG5041	49.05034333	0.135399333	362.2642898
30	M02	24129	CG6044	38.11904667	0.106594667	357.6074475
30	M03	19258	CG5281	41.00288667	0.100604333	407.5658106
30	M04	24083	CG32084,CG32086	34.75268	0.112111667	309.9827256
30	M05	19263	CG5076	34.35042	0.103578	331.6381857
30	M06	25469	CG12054	30.80646	0.097642333	315.5031117
30	M07	19268	CG5250	28.30710667	0.094006333	301.1191445
30	M08	25470	CG12164	34.16321667	0.099435333	343.5722044
30	M09	19261	CG4335	33.35869333	0.086443333	385.9024409
30	M10	25444	CG11254	29.64171333	0.095047	311.8637446
30	M11	19266	CG5187	34.56943667	0.094908667	364.2389877
30	M12	25467	CG11227	39.51059333	0.092673	426.3441707
30	M13	24110	CG4954	17.38885667	0.091804	189.4128433
30	M14	25464	CG13321	30.79655	0.071213	432.4568548
30	M15	24123	CG5644	31.61077667	0.087143	362.7460228
30	M16	24947	CG13363	39.98657333	0.080492	496.7769882
30	M17	24090	CG5821	32.85389	0.074907667	438.5918219
30	M18	24984	CG13423	28.44649	0.075430667	377.1210206
30	M19	24126	CG5847	32.25773	0.081389667	396.3369224
30	M20	16707	CG31989	27.59505	0.067626333	408.0518437
30	M21	24134	CG4962	33.12586	0.074124	446.8979008
30	M22	16712	CG14084	21.0686	0.085871667	245.3498438
30	M23	24137	CG5783	35.97637	0.078565333	457.916596

30	M24	16711	CG32169	35.80126667	0.084342	424.4773264
30	N01	16708	CG8851	37.21467	0.134959667	275.7466058
30	N02	24313	CG5923	24.74049	0.127930667	193.389831
30	N03	25186	CG14511	34.82535667	0.126533	275.2274637
30	N04	24318	CG4558	38.3977	0.127409	301.3735293
30	N05	25175	CG14583	29.16538667	0.101791	286.5222531
30	N06	24315	CG3532	37.95095333	0.116110667	326.8515669
30	N07	18665	CG6470	29.85112667	0.108486333	275.1602506
30	N08	24316	CG3581	33.56887	0.094584333	354.9094106
30	N09	18690	CG6510	5.651165667	0.119457	47.3071119
30	N10	24317	CG3642	67.57129	0.094696	713.5601293
30	N11	18691	CG6539	30.21839	0.090947333	332.2625182
30	N12	19608	CG6279,CG6297	30.57577667	0.084546667	361.6437865
30	N13	18682	CG6643	34.63255667	0.104978	329.9029955
30	N14	19645	CG6332	26.4421	0.077617333	340.6726161
30	N15	18684	CG6680	30.03117	0.084806333	354.1147084
30	N16	19648	CG6589	30.32109667	0.081221333	373.3144412
30	N17	18692	CG6617	35.13530333	0.076454	459.5613484
30	N18	19639	CG5571	26.91075333	0.063004	427.1276956
30	N19	18683	CG6667	27.57524333	0.052884667	521.4222774
30	N20	19643	CG5618	26.03129333	0.076399	340.7281945
30	N21	23259	CG3095	32.15187667	0.079197667	405.9699991
30	N22	19656	CG6295	26.38436	0.06999	376.9732819
30	N23	23270	CG3038	33.61152667	0.077162667	435.5931193
30	N24	19659	CG31155,CG31344	24.53485667	0.056728333	432.4973999
30	O01	19274	CG31096	43.49903	0.122639	354.691656
30	O02	24141	CG6051	39.18118333	0.121512333	322.446144
30	O03	19259	CG5342	30.9602	0.123661	250.3634937
30	O04	24131	CG6131	30.60121667	0.122202	250.4150232
30	O05	19275	CG5078	36.29582667	0.113164333	320.7355674
30	O06	25465	CG11110,CG33005	34.43694667	0.112892	305.0432862
30	O07	19269	CG4316	35.43903	0.090203	392.8808354
30	O08	25482	CG14670,CG31550	32.56273667	0.104631	311.215
30	O09	19273	CG4338	35.73269667	0.096977667	368.4631513
30	O10	25456	CG11267	40.51379667	0.122834333	329.8246961
30	O11	19278	CG5188	33.73818333	0.095852	351.9820487
30	O12	25484	CG12448	32.74546667	0.095811333	341.7702847
30	O13	24122	CG4957	41.41153667	0.101849	406.5973811
30	O14	25476	CG13330	29.60715333	0.085220667	347.4175278
30	O15	24135	CG5665	36.03322333	0.088845667	405.5709714
30	O16	24959	CG13374	37.43872667	0.094644333	395.5728288
30	O17	24136	CG5727,CG5731	37.91233	0.078608333	482.2940316
30	O18	16715	CG14219	34.84105667	0.090843333	383.5290427
30	O19	24139	CG5935	35.91330667	0.080317667	447.1408117
30	O20	16719	CG14020	33.67845333	0.081331333	414.0895268
30	O21		wts	119.2524333	0.062366	1912.138558
30	O22		HFA17794	3.025269333	0.014652333	206.4701413
30	O23		hpo	97.06848667	0.068521	1416.623906
30	O24		Luc	6.245686667	0.076471667	81.6732123
30	P01	16720	CG8886	39.89122333	0.135979333	293.3623982
30	P02	24288	CG5705	46.53460667	0.146197667	318.2992433
30	P03	25163	CG14581	32.96469667	0.1324	248.9780715
30	P04	24302	CG3349	31.36906333	0.140487333	223.287485
30	P05	25188	CG14641	57.04635333	0.166460667	342.7016993

30	P06	24327	CG3533	34.00173	0.15161	224.2710243
30	P07	18677	CG6474	12.70368667	0.098010667	129.615348
30	P08	24323	CG5669	17.40325667	0.116245	149.7118729
30	P09	18702	CG6512	31.50968667	0.14128	223.0300585
30	P10	24312	CG5781	29.90303	0.108017	276.8363313
30	P11	18703	CG6540	32.34875	0.078471667	412.2347769
30	P12	19620	CG6280	31.66589667	0.104304	303.5923518
30	P13	18694	CG6644	31.97047	0.098648667	324.0841572
30	P14	19635	CG6563	36.01149667	0.108628	331.5121025
30	P15	18696	CG6684	24.19329667	0.130686333	185.1249174
30	P16	19647	CG6569	31.20476667	0.094980333	328.5392415
30	P17	18689	CG6479	18.70559	0.077374667	241.7534163
30	P18	19651	CG5572	31.87045667	0.071241	447.3611637
30	P19	18701	CG6480	33.79466667	0.07467	452.5869381
30	P20	19655	CG31721	29.95413333	0.068967	434.3255953
30	P21		wts	110.4771567	0.057626333	1917.129727
30	P22		HFA17794	2.384472667	0.016146333	147.6788951
30	P23		hpo	88.95428667	0.061153333	1454.610596
30	P24		Luc	4.688872333	0.075165	62.38105945
31	A01		DIAP1	1.233032	0.01457	84.62814001
31	A02		ex/ft	94.25432667	0.111744667	843.4794203
31	A03		Luc	4.198872667	0.117109	35.85439775
31	A04		hpo	74.93877	0.096546667	776.1922041
31	A05	29494	CG31283	27.94402667	0.119449667	233.9397626
31	A06	33461	CG10200	26.57673	0.08424	315.4882479
31	A07	29580	CG31347	27.79664667	0.104336	266.4147242
31	A08	33469	CG10435	27.90919333	0.092449667	301.8852781
31	A09	17411	CG13204	25.04015333	0.109312667	229.0690923
31	A10	33477	CG10717	23.06059	0.107351	214.8148597
31	A11	17412	CG13231	22.68421667	0.103743333	218.6571025
31	A12	33485	CG10880	29.0758	0.101305	287.012487
31	A13	17413	CG13255	25.51630667	0.10185	250.5282932
31	A14	33493	CG1113	27.02377333	0.101709	265.6969721
31	A15	17414	CG13290	33.63065	0.096115	349.9001196
31	A16	33501	CG11390	28.35813333	0.094897	298.830662
31	A17	17422	CG13190	24.61439	0.086935667	283.1333898
31	A18	33509	CG11629	26.24208667	0.092414	283.9622424
31	A19	33101	CG15453	28.4294	0.099163667	286.6916982
31	A20	33525	CG11802	31.38864333	0.094495667	332.1701877
31	A21	33117	CG15829	26.83387333	0.092124	291.2799415
31	A22	33541	CG12316	26.48797	0.084606667	313.0719013
31	A23	33109	CG15697	7.165794333	0.119427667	60.00112481
31	A24	33517	CG11742	34.00303	0.085338333	398.4496612
31	B01		DIAP1	1.082144667	0.013074667	82.7665205
31	B02		ex/ft	91.53925667	0.151178667	605.5037968
31	B03		Luc	4.291766333	0.133770333	32.08309516
31	B04		hpo	86.20590333	0.110716	778.6219095
31	B05	33645	CG1368	33.38455333	0.141138	236.5383762
31	B06	33757	CG15220	43.34617	0.161403333	268.5580843
31	B07	33653	CG13872	32.18534	0.154220667	208.6966727
31	B08	33765	CG15327	28.45098333	0.120620667	235.8715477
31	B09	33661	CG1402	29.94195667	0.111253	269.133926
31	B10	33773	CG15515	29.38526333	0.112024667	262.3106518
31	B11	33669	CG14191	29.21045667	0.116226333	251.3239111

31	B12	33781	CG1567	29.24729333	0.118448	246.9209555
31	B13	33677	CG14310	28.71053667	0.120749	237.7703887
31	B14	33789	CG15905	29.40326667	0.098482	298.5648816
31	B15	33685	CG14531	29.43645	0.104645	281.2981987
31	B16	33797	CG16764	22.26174	0.082586333	269.5571907
31	B17	33693	CG14668	30.27045667	0.107012333	282.8688594
31	B18	33805	CG16936	27.99660667	0.092477333	302.740203
31	B19	33701	CG14809	29.89658333	0.086755333	344.6080164
31	B20	33741	CG15092	25.22844	0.093037	271.1656653
31	B21	33733	CG15025	28.16897	0.088380333	318.7244146
31	B22	33829	CG17687	29.30361667	0.087721667	334.0522106
31	B23	33717	CG14947	33.20670333	0.106479333	311.8605488
31	B24	33813	CG17098	30.06229	0.085287667	352.4810934
31	C01	29495	CG31312	41.86665667	0.122510333	341.7397988
31	C02	33533	CG12094	37.82479	0.138769	272.5737737
31	C03	29496	CG31327	41.08830333	0.127486333	322.2957493
31	C04	33453	CG10036	36.18187	0.126659667	285.6621287
31	C05	29506	CG31285	42.8691	0.131218	326.7013672
31	C06	33462	CG10233	35.07931333	0.123991333	282.917462
31	C07	17416	CG13861	31.69323667	0.119048	266.2223361
31	C08	33470	CG1049	29.41514667	0.112143333	262.2995571
31	C09	17423	CG13206	37.53804333	0.120945	310.3728416
31	C10	33478	CG10726	41.24323667	0.192387667	214.375679
31	C11	17467	CG13138	33.15499667	0.112293333	295.253473
31	C12	33486	CG10907	35.4715	0.108670667	326.4128314
31	C13	17479	CG13140	42.25723	0.100812667	419.1658786
31	C14	33494	CG11139	29.24400667	0.129336667	226.1076261
31	C15	17442	CG13907	32.81417667	0.099305333	330.4372038
31	C16	33502	CG11421	32.98462	0.105221667	313.4774524
31	C17	17434	CG13193	35.32255333	0.090327667	391.0491064
31	C18	33510	CG11671	31.19861667	0.098964667	315.2500556
31	C19	33102	CG15539	32.35545	0.080759333	400.6403801
31	C20	33526	CG11814	26.48303	0.074607333	354.9655083
31	C21	33118	CG1587	28.87283667	0.108823333	265.3184366
31	C22	33542	CG12363	38.04990667	0.092652667	410.6725477
31	C23	33110	CG15699	22.58175333	0.109564667	206.1043402
31	C24	33540	CG12304	37.11914667	0.107227667	346.171355
31	D01	33547	CG12501	49.73138333	0.127414	390.3133355
31	D02	33736	CG1505	35.16150667	0.150458333	233.6959734
31	D03	33709	CG14913	34.88629	0.146866	237.5382321
31	D04	33749	CG15150	40.20148	0.135713333	296.2235103
31	D05	33646	CG13702	30.76831333	0.131015	234.8457301
31	D06	33758	CG15221	35.47698333	0.123269333	287.8005614
31	D07	33654	CG13881	33.37940333	0.136937	243.7573726
31	D08	33766	CG15354	39.07263333	0.115918333	337.0703513
31	D09	33662	CG14025	42.89941333	0.140944	304.3720437
31	D10	33774	CG1555	24.66473333	0.115814667	212.9672695
31	D11	33670	CG14214	33.26632667	0.109779667	303.028126
31	D12	33782	CG15708	36.13283667	0.097544667	370.4234983
31	D13	33678	CG14314	42.47576667	0.105782333	401.5393245
31	D14	33790	CG15920	31.02802	0.114910667	270.0186232
31	D15	33686	CG14538	26.85780333	0.100703667	266.7013449
31	D16	33798	CG16775	38.48494667	0.103400333	372.1936422
31	D17	33694	CG14669	34.26314333	0.098994333	346.112168

31	D18	33806	CG16984	35.36702667	0.082443667	428.9841548
31	D19	33702	CG14810	29.87748333	0.088877333	336.165389
31	D20	33742	CG15111	35.39378	0.097576667	362.7279063
31	D21	33734	CG15027	32.13353667	0.085594667	375.4151738
31	D22	33830	CG1770	30.81834	0.083469667	369.2160426
31	D23	33718	CG14948	31.32918	0.098386667	318.4291232
31	D24	33814	CG1712	39.90679	0.094083667	424.1627842
31	E01	29507	CG31313	59.49439	0.102715333	579.2162481
31	E02	33534	CG12119	47.71923667	0.102034	467.6797603
31	E03	29508	CG31329	121.8974	0.087236	1397.329084
31	E04	33454	CG10055	55.23252333	0.106709333	517.5978671
31	E05	29518	CG31294	35.68121	0.089460667	398.8480226
31	E06	33463	CG10257	48.52341333	0.106844	454.1519723
31	E07	17428	CG13862	37.19928667	0.110673	336.1188968
31	E08	33471	CG10523	36.53566	0.097401333	375.1043107
31	E09	17435	CG13208,CG7741	37.48579667	0.092798	403.9504803
31	E10	33479	CG1077	48.32349	0.116363333	415.2810736
31	E11	17436	CG13244	46.72084333	0.090670333	515.2825805
31	E12	33487	CG10912	41.9065	0.092904	451.0731508
31	E13	17437	CG13258	42.86437333	0.095761333	447.6167138
31	E14	33495	CG11151	39.03957667	0.076186667	512.4200648
31	E15	17454	CG13908	43.03428	0.093437333	460.5683667
31	E16	33503	CG11423	47.86499667	0.083442	573.6319439
31	E17	17446	CG13195	39.73801667	0.093846667	423.4355687
31	E18	33511	CG11672	39.26986	0.078279667	501.6610529
31	E19	33103	CG15543	38.2752	0.080552	475.1613864
31	E20	33527	CG11835	47.25657667	0.095754	493.5206536
31	E21	33095	CG15344	44.38116333	0.080419333	551.8718136
31	E22	33543	CG12391	43.35344	0.078278	553.8393929
31	E23	33111	CG15719	39.538	0.079983	494.3300451
31	E24	33519	CG11752	45.05276333	0.077313667	582.7270297
31	F01	33548	CG12520	39.52253	0.129129667	306.0685512
31	F02	33737	CG15055	37.47083333	0.140759	266.2055949
31	F03	33710	CG14919	37.65627	0.141171667	266.7409891
31	F04	33750	CG15160	41.52120333	0.157957667	262.8628557
31	F05	33647	CG13705	39.7819	0.110141333	361.1895625
31	F06	33759	CG1524	25.45306667	0.112840333	225.5670992
31	F07	33655	CG13897	41.97121	0.108829	385.6620019
31	F08	33767	CG15355	41.17278	0.114474667	359.6671753
31	F09	33663	CG14027	43.17152	0.116091667	371.8744096
31	F10	33775	CG15570	39.78273	0.110551667	359.8564472
31	F11	33671	CG1422	39.97180667	0.098433333	406.0799865
31	F12	33783	CG1572	38.61248667	0.101158333	381.7034682
31	F13	33679	CG14321	38.99525	0.100234667	389.0395538
31	F14	33791	CG1622	33.34084333	0.108535667	307.1878983
31	F15	33687	CG14541	38.15051	0.094442667	403.9541803
31	F16	33799	CG16786	43.88207	0.103031667	425.9085718
31	F17	33695	CG14674	35.90748333	0.083703667	428.9833978
31	F18	33807	CG1702	34.73039	0.097265667	357.0673105
31	F19	33703	CG14846	40.68439333	0.079708333	510.4158076
31	F20	33743	CG15115	36.25326667	0.090330667	401.3395229
31	F21	33735	CG15032	31.28564333	0.07577	412.9027759
31	F22	33831	CG17752	35.40198667	0.077840333	454.8026088
31	F23	33719	CG14949	43.83176667	0.084729	517.317172

31	F24	33815	CG17150	37.11416	0.073044333	508.1045758
31	G01	29519	CG31315	49.77854	0.109708333	453.7352678
31	G02	33535	CG12191	33.41509	0.101051333	330.6744097
31	G03	29520	CG31335	41.75138333	0.10694	390.4187707
31	G04	33455	CG10066	43.08317	0.101337667	425.1446813
31	G05	29530	CG31295	36.39442667	0.122721667	296.5607268
31	G06	33464	CG10280	35.88098	0.110687667	324.1642098
31	G07	17440	CG31163	46.56653667	0.095959	485.2753433
31	G08	33472	CG10524	31.45516333	0.106707667	294.7788506
31	G09	17433	CG13165	38.24690667	0.105696	361.8576547
31	G10	33480	CG1079	44.22739333	0.097742333	452.4896411
31	G11	17448	CG13245,CG31820	29.97822667	0.091712	326.8735462
31	G12	33488	CG10998	34.65635	0.083462	415.235077
31	G13	17449	CG13272	31.63954	0.088793667	356.3265398
31	G14	33496	CG11158	30.70820667	0.085892	357.5211506
31	G15	17450	CG13840	38.72073333	0.099549	388.9615499
31	G16	33504	CG11527	37.04989	0.081683667	453.5777042
31	G17	17458	CG13196	36.97942	0.081568333	453.355101
31	G18	33512	CG11694	39.44219667	0.086826	454.2671166
31	G19	33104	CG15581	40.00808333	0.087251	458.5401122
31	G20	33528	CG11953	32.93505	0.071931333	457.8679203
31	G21	33096	CG15345	33.93042333	0.086655333	391.5560881
31	G22	33544	CG12402	38.07523667	0.082532	461.3390766
31	G23	33112	CG15731	33.89501	0.086733333	390.7956572
31	G24	33520	CG11755	36.377	0.070879	513.2267667
31	H01	33725	CG14984	33.05792	0.128205667	257.850693
31	H02	33738	CG15071	31.85502667	0.120802667	263.6947308
31	H03	33711	CG1492	34.02649	0.12886	264.0578147
31	H04	33751	CG15169	31.11463	0.118163667	263.3180814
31	H05	33648	CG13779	12.63096667	0.099385333	127.0908518
31	H06	33760	CG15256	33.37965	0.097157667	343.5616678
31	H07	33656	CG13904	35.93603	0.095303	377.0713409
31	H08	33768	CG15399	33.06461667	0.111036667	297.7810633
31	H09	33664	CG14063	32.51802667	0.084084	386.7326324
31	H10	33776	CG15578	34.6966	0.105218	329.7591667
31	H11	33672	CG14253	32.20134667	0.091417667	352.2442416
31	H12	33784	CG15721	33.99188	0.088311667	384.9081473
31	H13	33680	CG14326	34.45734	0.078002333	441.7475546
31	H14	33792	CG1630	34.31007667	0.076083	450.9558859
31	H15	33688	CG14580	33.39424333	0.078004333	428.107541
31	H16	33800	CG16820	35.21003	0.091648667	384.1848581
31	H17	33696	CG14689	29.73189333	0.088245	336.9243961
31	H18	33808	CG17032	29.94232667	0.072978667	410.2887602
31	H19	33704	CG14854	31.63936	0.084879667	372.7554695
31	H20	33744	CG15118	37.15488667	0.084308	440.7041641
31	H21	33730	CG1502	38.5786	0.077343667	498.7945576
31	H22	33821	CG17278	36.87116	0.069664667	529.2662947
31	H23	33720	CG14950	36.97803	0.075702333	488.4661855
31	H24	33816	CG17181	36.61958333	0.087246667	419.7247268
31	I01	29531	CG31316	47.46567333	0.120859	392.735943
31	I02	33536	CG12210	46.06527667	0.132205333	348.437355
31	I03	29532	CG31336	42.51955	0.126441	336.2797668
31	I04	33456	CG10073	33.83715667	0.115265333	293.5588324
31	I05	29542	CG31296	35.32667333	0.100492333	351.5360044

31	I06	33465	CG10352	37.92031	0.110370333	343.5733938
31	I07	17452	CG13868	47.25410667	0.103158667	458.0720961
31	I08	33473	CG10537	32.90943333	0.107784333	305.3266863
31	I09	17459	CG13210	39.07528333	0.110757667	352.7998062
31	I10	33481	CG10806	32.63251333	0.093682	348.3327996
31	I11	17460	CG13247	36.17646667	0.092278667	392.0349954
31	I12	33489	CG10999	37.66901333	0.091509333	411.6412169
31	I13	17461	CG13278	32.56258667	0.087208667	373.3870487
31	I14	33497	CG11258	37.25816	0.11234	331.655332
31	I15	17462	CG13842	28.14297333	0.085762333	328.1507422
31	I16	33505	CG11560	32.73395667	0.078711	415.8752483
31	I17	17489	CG13896	35.59341333	0.097494667	365.0806198
31	I18	33513	CG11698	34.85804	0.086966667	400.8206976
31	I19	33105	CG15585	31.00748	0.115333667	268.8502056
31	I20	33529	CG12007	33.93261333	0.083744	405.1945612
31	I21	33097	CG15378	34.60346	0.098201667	352.3714126
31	I22	33545	CG12441	30.28915333	0.078398667	386.347812
31	I23	33113	CG15733	34.64248333	0.086698333	399.574963
31	I24	33521	CG11756	33.08372	0.070595	468.6411219
31	J01	33726	CG14985	33.42660333	0.124050333	269.4600041
31	J02	33739	CG15082	31.31963	0.130742667	239.5517148
31	J03	33712	CG14920	36.02322667	0.145088333	248.284792
31	J04	33752	CG15173	33.12802	0.144661	229.0045002
31	J05	33649	CG1378	30.73619333	0.141339667	217.4633212
31	J06	33761	CG15259	27.83507667	0.116058	239.8376387
31	J07	33657	CG13905	31.26366333	0.115699	270.2155017
31	J08	33769	CG15422	30.01466333	0.096047667	312.4975793
31	J09	33665	CG14069	31.97294667	0.106147	301.2138512
31	J10	33777	CG15589	35.15044	0.119298333	294.6431775
31	J11	33673	CG1427	35.18251	0.113532	309.8906916
31	J12	33785	CG1575	36.45385	0.120992	301.2914077
31	J13	33681	CG14411	29.47332667	0.092496667	318.6420412
31	J14	33793	CG1636	31.64315	0.092400333	342.4570979
31	J15	33689	CG14626	36.8745	0.096213667	383.2563634
31	J16	33801	CG16854	36.25509667	0.091583	395.8714681
31	J17	33697	CG14720	33.18307333	0.094668333	350.5192514
31	J18	33809	CG17044	38.89976667	0.089906333	432.6699268
31	J19	33705	CG1488	29.30112	0.071443333	410.1309196
31	J20	33745	CG15125	32.49734667	0.087697667	370.5611324
31	J21	33716	CG14946	30.99072	0.081820333	378.7655065
31	J22	33822	CG17285	34.09915333	0.084845333	401.8978062
31	J23	33721	CG14958	30.75666333	0.077775667	395.453548
31	J24	33828	CG17645	30.86786333	0.082183667	375.5960836
31	K02	33537	CG12239	38.24008333	0.123578	309.440866
31	K03	29579	CG31326	29.23154333	0.134968333	216.5807535
31	K04	33457	CG10076	31.34906667	0.131931667	237.6159375
31	K05	29554	CG31297	32.76164333	0.121647333	269.3165763
31	K06	33466	CG10379	35.69642333	0.104214	342.5300184
31	K07	17464	CG13871	25.91446	0.115840667	223.707794
31	K08	33474	CG10553	25.05343	0.095341	262.7770844
31	K09	17457	CG13169	27.32645333	0.117688333	232.1933922
31	K1	29543	CG31320	27.37963667	0.098227667	278.7365067
31	K10	33482	CG10811	22.1503	0.129740333	170.7279412
31	K11	17468	CG13155	24.86639667	0.093577667	265.7300353

31	K12	33490	CG11000	30.97681333	0.090316667	342.9800332
31	K13	17480	CG13157	29.74798333	0.091019333	326.831479
31	K14	33498	CG11315	30.61372333	0.088269333	346.821735
31	K15	17474	CG31170	31.75037	0.080883667	392.5436532
31	K16	33506	CG11575	30.31945333	0.085901333	352.9567255
31	K17	17482	CG13200	30.45756667	0.097151333	313.5064195
31	K18	33514	CG11735	29.21729333	0.079218333	368.8198439
31	K19	33106	CG15649	30.60994667	0.094414333	324.208683
31	K20	33530	CG12017	30.09647	0.081176	370.7557653
31	K21	33098	CG15385	27.72853667	0.079328333	349.5413997
31	K22	33546	CG12488	26.21119333	0.090637333	289.1876048
31	K23	33114	CG15734	30.43288667	0.082908667	367.0652043
31	K24	33522	CG11757	34.79406333	0.079000333	440.4293231
31	L01	33727	CG1499	21.70418	0.135048333	160.7141641
31	L02	33740	CG15086	26.61692333	0.114076	233.3262328
31	L03	33713	CG14921	33.65065667	0.139080333	241.9512224
31	L04	33756	CG15216	27.24021	0.122626	222.1405738
31	L05	33650	CG1380	29.44982	0.131588333	223.8026674
31	L06	33762	CG15278	29.51081333	0.123159333	239.6149162
31	L07	33658	CG13925	30.0032	0.130948667	229.1218442
31	L08	33770	CG15433	31.97493	0.108314333	295.2049744
31	L09	33666	CG14079	33.69750333	0.111165667	303.1286938
31	L10	33778	CG15605	30.95256667	0.094462333	327.6709941
31	L11	33674	CG1428	29.45046	0.11531	255.4024803
31	L12	33786	CG15754	27.90423333	0.088830333	314.1295578
31	L13	33682	CG14421	29.74940667	0.087164333	341.3025205
31	L14	33794	CG16739	24.31867667	0.099186333	245.1817287
31	L15	33690	CG1463	30.24890333	0.085460333	353.952555
31	L16	33802	CG16869	32.12077333	0.088541667	362.7757929
31	L17	33698	CG1478	31.94803	0.094602	337.7098793
31	L18	33810	CG17048	27.49714	0.109196	251.8145353
31	L19	33706	CG14886	28.27135333	0.081348667	347.533088
31	L20	33820	CG17258	24.24231	0.068548	353.6545195
31	L21	33732	CG15023	28.0869	0.075272333	373.1370977
31	L22	33823	CG17286	24.74748	0.081394	304.045507
31	L23	33722	CG14969	29.13329333	0.084774	343.6583544
31	L24	33818	CG17212	35.78073333	0.074138	482.623396
31	M01	29588	CG31281	36.23418	0.113550667	319.101429
31	M02	33538	CG12283	33.49252667	0.128069667	261.5180279
31	M03	29556	CG3134	33.36547667	0.119144667	280.041714
31	M04	33458	CG10091	31.41425	0.108117333	290.5570183
31	M05	29566	CG31303	31.64983333	0.102438	308.9657484
31	M06	33467	CG10384	32.95150333	0.108905333	302.5701527
31	M07	17420	CG13151	30.38543	0.105113333	289.0730323
31	M08	33475	CG10561	36.39268667	0.107311667	339.1307562
31	M09	17483	CG13226	30.14057	0.102941	292.7946105
31	M10	33483	CG10841	31.45516333	0.100208333	313.8976798
31	M11	17484	CG13251	28.89205667	0.091094667	317.1651835
31	M12	33491	CG11060	32.60232333	0.117763667	276.8453485
31	M13	17485	CG32414	32.00642	0.094847333	337.4519755
31	M14	33499	CG11318	29.53679333	0.094345667	313.069952
31	M15	17465	CG13891,CG17046	26.65287333	0.080667667	330.4034248
31	M16	33507	CG11577	33.85603667	0.085535	395.8150075
31	M17	33100	CG15431	31.08870667	0.081894333	379.6197539

31	M18	33515	CG11738	26.50013	0.082263	322.1391148
31	M19	33107	CG15674	29.13825667	0.085619667	340.3220055
31	M20	33531	CG12035	30.62217333	0.075207	407.1718501
31	M21	33099	CG15388	33.03072667	0.076134667	433.8460798
31	M22	33524	CG11783	26.27858	0.077898	337.3460166
31	M23	33115	CG15741	31.09930667	0.079477667	391.2961713
31	M24	33523	CG11762	32.11215333	0.075939667	422.864028
31	N01	33728	CG15005	33.54151333	0.145489667	230.5422378
31	N02	33826	CG1751	11.71187	0.105214333	111.3143963
31	N03	33714	CG14926	31.00856333	0.127723667	242.7785245
31	N04	33754	CG15207	24.97861333	0.119862667	208.393606
31	N05	33651	CG13856	26.13426	0.130575	200.1475014
31	N06	33763	CG15281	50.80329	0.117288333	433.1487076
31	N07	33659	CG13954	33.89593667	0.114319333	296.5022248
31	N08	33771	CG15464	33.15341333	0.113091667	293.1552281
31	N09	33667	CG14103	34.59037667	0.121231333	285.3253834
31	N10	33779	CG15645	29.39543667	0.098080333	299.7077566
31	N11	33675	CG14301	27.36512333	0.094171667	290.5876502
31	N12	33787	CG15756	28.63041333	0.095914667	298.4988045
31	N13	33683	CG14481	27.15911667	0.083838	323.9475735
31	N14	33795	CG16741	25.67107	0.089224667	287.7127028
31	N15	33691	CG14632	27.98021	0.084834	329.8230662
31	N16	33803	CG16910	23.26920333	0.068803	338.2004176
31	N17	33699	CG1480	28.74064667	0.095181333	301.9567562
31	N18	33811	CG1705	26.05820333	0.073491667	354.5735798
31	N19	33707	CG14888	27.75942333	0.077402667	358.6365242
31	N20	33747	CG15134	16.50408667	0.056932	289.8912153
31	N21	33724	CG14981	26.76556	0.093753	285.490171
31	N22	33824	CG17375	28.26384667	0.083479667	338.5716282
31	N23	33723	CG14972	28.66940667	0.077093	371.880802
31	N24	33819	CG17218	28.96153333	0.068948333	420.046895
31	O01	29567	CG31325	38.70560667	0.144099333	268.6036484
31	O02	33539	CG12298	36.01812333	0.145452667	247.6277964
31	O03	29568	CG31340	34.24437	0.135991667	251.8122679
31	O04	33460	CG10128	31.00993667	0.157499667	196.8889035
31	O05	29578	CG31308	30.58998667	0.123359	247.9753132
31	O06	33468	CG10433	32.3149	0.145738333	221.7323285
31	O07	17432	CG30044	26.70463667	0.118569333	225.2238072
31	O08	33476	CG10680	32.39522	0.104723	309.3419784
31	O09	17456	CG13154,CG8525	37.17218	0.100456667	370.0319873
31	O10	33484	CG10851	16.94873	0.199050667	85.14781831
31	O11	17429	CG13883	32.87232	0.134629333	244.1690766
31	O12	33492	CG11098	33.54247333	0.115765	289.7462388
31	O13	17441	CG13884,CG6883	36.11591667	0.091329667	395.4456201
31	O14	33500	CG11369	33.821	0.109293333	309.4516286
31	O15	17498	CG13857	33.66342333	0.079946	421.0770187
31	O16	33508	CG11620	31.42759667	0.101352667	310.0815963
31	O17	33116	CG15782	34.02882333	0.093016	365.8383862
31	O18	33516	CG11739	30.48101	0.086126333	353.9104571
31	O19	33108	CG15685	32.65990667	0.089875	363.3925637
31	O20	33532	CG12063	33.90411333	0.085774	395.2726156
31	O21		wt	125.4715667	0.073915	1697.511556
31	O22		HFA17794	3.071039667	0.015439667	198.905827
31	O23		hpo	80.89107333	0.071618	1129.479647

31	O24		Luc	4.876028667	0.086305	56.49763822
31	P01	33729	CG15006	36.56174333	0.153286667	238.5187448
31	P02	33827	CG17603	9.531330333	0.100398667	94.93482981
31	P03	33715	CG1494	32.83829	0.133875667	245.2894601
31	P04	33755	CG15214	13.04968333	0.125103	104.311514
31	P05	33652	CG13860	36.49112667	0.138503667	263.4668637
31	P06	33764	CG1530	30.06198	0.134972667	222.7264286
31	P07	33660	CG14010	27.76224333	0.117871667	235.5294034
31	P08	33772	CG15497	32.41616333	0.133096333	243.5541425
31	P09	33668	CG1411	31.9385	0.130727333	244.3138645
31	P10	33780	CG15663	25.22737	0.123593333	204.1159448
31	P11	33676	CG14309	33.58147667	0.118994667	282.209931
31	P12	33788	CG15893	33.03011667	0.110303333	299.4480372
31	P13	33684	CG14529	31.25416667	0.104863	298.0476113
31	P14	33796	CG16743	28.88109333	0.099018	291.6751836
31	P15	33692	CG14651	29.97570333	0.094380333	317.605398
31	P16	33804	CG16918	30.19329	0.094214667	320.4733516
31	P17	33700	CG14808	39.86859667	0.079294333	502.7925072
31	P18	33812	CG17097	29.32067	0.091473333	320.5378981
31	P19	33708	CG14890	30.58265333	0.090024	339.7166681
31	P20	33748	CG15144	33.14304	0.088655333	373.8414685
31	P21		wts	110.8229	0.074842	1480.75813
31	P22		HFA17794	2.384013667	0.014227	167.569668
31	P23		hpo	80.50604	0.075664333	1063.989286
31	P24		Luc	4.461154667	0.081827333	54.51912564
32	A01		DIAP1	0.966160333	0.013334333	72.45659076
32	A02		ex/ft	85.27086667	0.110371	772.5839819
32	A03		Luc	4.819243333	0.118161	40.78539733
32	A04		hpo	86.06115333	0.119709333	718.9176561
32	A05	33933	CG3097	28.18433	0.105572333	266.9670084
32	A06	34037	CG4319	29.76963	0.130845333	227.5177054
32	A07	33941	CG31083	29.49076333	0.099662	295.9078017
32	A08	34053	CG5417	28.72833333	0.098917	290.4286759
32	A09	33949	CG31107	28.78643333	0.128482333	224.0497397
32	A10	34061	CG5718	28.95267	0.101636667	284.864419
32	A11	33973	CG31712	23.72395333	0.106594667	222.562292
32	A12	34069	CG5906	24.54587667	0.090835333	270.223885
32	A13	33981	CG31897	30.05429667	0.095909667	313.3604538
32	A14	34085	CG6234	23.92943667	0.096105667	248.9909024
32	A15	33989	CG32063	24.89409333	0.093903333	265.1034042
32	A16	34093	CG6579	27.66069	0.100808667	274.3880156
32	A17	33997	CG32604	32.80788667	0.119174	275.2939959
32	A18	34109	CG7012	26.55992	0.070175	378.4812255
32	A19	34005	CG3318	27.44080333	0.085399	321.3246447
32	A20	34101	CG6912	32.48314333	0.095905	338.7012495
32	A21	34021	CG3823	30.47237667	0.083122333	366.596743
32	A22	34117	CG7158	32.71914667	0.090508333	361.5042445
32	A23	33966	CG31407	35.15963333	0.085494667	411.2494347
32	A24	34029	CG4046	6.055483667	0.077056667	78.58481204
32	B01		DIAP1	1.068284333	0.014340333	74.4950838
32	B02		ex/ft	91.51014	0.126036	726.0635057
32	B03		Luc	5.108448333	0.13398	38.12843957
32	B04		hpo	78.46127	0.133935333	585.8145722
32	B05	34125	CG7378	25.73697	0.123136333	209.0119894

32 B06	34221	CG9080	31.26533667	0.105584333	296.1171954
32 B07	34133	CG7557	29.79462667	0.111677667	266.7912713
32 B08	34229	CG9175	19.26872	0.123245667	156.3439959
32 B09	34141	CG7930	31.79665	0.120017667	264.9330793
32 B10	34237	CG9249	30.83580333	0.109920667	280.5278049
32 B11	34149	CG8083	35.27417667	0.148528333	237.4912306
32 B12	34245	CG9395	33.80934667	0.112138333	301.4967822
32 B13	34157	CG8202	30.10560333	0.105404	285.6210707
32 B14	34253	CG9446	30.81439333	0.104005	296.2779995
32 B15	34165	CG8362	30.58545667	0.095508667	320.2375003
32 B16	34261	CG9459	26.29333333	0.098163333	267.8528982
32 B17	34173	CG8549	29.95862667	0.104020667	288.0064859
32 B18	34269	CG9496	26.80084	0.084444667	317.3775332
32 B19	34181	CG8677	31.65253333	0.092240333	343.1528507
32 B20	34285	CG9688	29.93364333	0.088785	337.1475287
32 B21	34197	CG8884	27.16953667	0.110086333	246.8020856
32 B22	34277	CG9588	31.24522	0.084119667	371.4377534
32 B23	34205	CG8989	70.73822667	0.087083667	812.3018859
32 B24	34301	CG9883	31.87161	0.087586333	363.8879353
32 C01	33832	CG17753	41.46204333	0.127126	326.1492011
32 C02	34023	CG3973	36.74043667	0.099378	369.7039251
32 C03	34013	CG3608	36.26837	0.119432333	303.6729585
32 C04	34046	CG4814	37.67490667	0.111656333	337.4184477
32 C05	33934	CG3100	34.79191667	0.127401667	273.088395
32 C06	34038	CG4342	39.04742333	0.106307333	367.3069591
32 C07	33942	CG31086	26.36358333	0.118045	223.3350276
32 C08	34054	CG5524	43.08115333	0.111805	385.3240314
32 C09	33950	CG31112	33.75184333	0.116895667	288.7347692
32 C10	34062	CG5747	33.81007	0.122248667	276.5680062
32 C11	33974	CG31714	34.02081333	0.117962	288.4048535
32 C12	34070	CG6016	29.63493333	0.096726	306.3802218
32 C13	33982	CG31909	36.16440667	0.096718333	373.9147008
32 C14	34086	CG6300	31.11484667	0.094052	330.825997
32 C15	33990	CG32081	31.12792	0.107855667	288.6071818
32 C16	34094	CG6623	34.37040667	0.096712	355.3892657
32 C17	33998	CG32631	32.92492333	0.098072333	335.7208115
32 C18	34110	CG7014	28.92068	0.091990333	314.3882509
32 C19	34006	CG33182	35.07955	0.091250667	384.430616
32 C20	34102	CG6919	32.98124667	0.094864	347.6687328
32 C21	34022	CG3825	17.48162333	0.038058667	459.3335727
32 C22	34118	CG7160	36.65320667	0.091044	402.587833
32 C23	33967	CG31483	33.7914	0.095596333	353.4800847
32 C24	34030	CG4050	35.13472333	0.095451333	368.0904405
32 D01	34121	CG7225	50.38276333	0.159697667	315.4884125
32 D02	34213	CG9023	36.05157667	0.141574333	254.647688
32 D03	34189	CG8807	29.75375667	0.157104667	189.3881149
32 D04	34220	CG9065	28.97932667	0.152993	189.4160299
32 D05	34126	CG7387	32.98824667	0.144121	228.8927128
32 D06	34222	CG9089	35.76655667	0.145084	246.5230947
32 D07	34134	CG7573	34.06670333	0.115643	294.585088
32 D08	34230	CG9181	34.04132667	0.109940667	309.6336206
32 D09	34142	CG7968	30.83055333	0.123183	250.2825336
32 D10	34238	CG9252	35.27912	0.114674333	307.6461748
32 D11	34150	CG8105	52.13031333	0.120211333	433.6555621

32	D12	34246	CG9398	33.91680333	0.112174	302.3588651
32	D13	34158	CG8206	36.66423333	0.122219333	299.9871815
32	D14	34254	CG9447	35.21078333	0.119149667	295.5172626
32	D15	34166	CG8385	8.494717333	0.105667	80.39139309
32	D16	34262	CG9460	33.94518	0.106129	319.8482978
32	D17	34174	CG8556	34.90485667	0.100670333	346.7243577
32	D18	34270	CG9498	30.82338333	0.097418667	316.4012031
32	D19	34182	CG8680	33.50815667	0.105894333	316.4301206
32	D20	34286	CG9706	26.16673667	0.086090333	303.9451197
32	D21	34198	CG8920	35.84630667	0.085737333	418.0944901
32	D22	34278	CG9592	32.64480667	0.101815333	320.6276068
32	D23	34206	CG8997	31.83383333	0.092637	343.64059
32	D24	34302	CG9894	40.15497667	0.100470667	399.6686595
32	E01	33833	CG17818	78.83267667	0.113531667	694.3672984
32	E02	34024	CG3984	47.42747667	0.112550333	421.3890378
32	E03	34014	CG3641	45.62129667	0.107223667	425.477864
32	E04	34047	CG4869	47.51053333	0.129289	367.4754491
32	E05	33935	CG31005	37.90805667	0.100130667	378.5858811
32	E06	34039	CG4382	51.30358667	0.120284667	426.5180932
32	E07	33943	CG31087	44.27075	0.09691	456.8233412
32	E08	34055	CG5553	37.32439667	0.118657667	314.5552893
32	E09	33951	CG31115	44.80382667	0.099762333	449.1056411
32	E10	34063	CG5776	48.72515333	0.097952333	497.437393
32	E11	33975	CG31718	41.47999333	0.112143333	369.8837202
32	E12	34071	CG6024	45.86295333	0.096471333	475.4049908
32	E13	33983	CG31913	41.99142667	0.090722	462.8582556
32	E14	34087	CG6380	44.96599667	0.103753	433.3946649
32	E15	33991	CG3212	40.20072	0.090864	442.427364
32	E16	34095	CG6669	51.33099333	0.083823	612.3736127
32	E17	33999	CG32716	43.24721333	0.087642333	493.4511861
32	E18	34111	CG7055	25.22045	0.097734	258.0519574
32	E19	34007	CG3395	9.806210333	0.102048667	96.09346848
32	E20	34103	CG6945	42.72089	0.072079333	592.692635
32	E21	33957	CG31264	49.01000667	0.082572333	593.5402899
32	E22	34119	CG7219	38.52832	0.091928333	419.1125696
32	E23	33968	CG3149	44.16514	0.075661333	583.7214077
32	E24	34031	CG4057	37.16494333	0.071212333	521.8891391
32	F01	34122	CG7300	40.43466333	0.131524	307.4318249
32	F02	34214	CG9024	39.28638333	0.145232	270.5077623
32	F03	34190	CG8819	37.02258333	0.134929	274.3856646
32	F04	34293	CG9778	47.01776	0.103610667	453.7926597
32	F05	34127	CG7434	4.019118333	0.114757333	35.02275817
32	F06	34223	CG9090	31.21962333	0.119676333	260.8671444
32	F07	34135	CG7627	41.16657333	0.119172333	345.4373358
32	F08	34231	CG9198	54.11385333	0.152008667	355.9918952
32	F09	34143	CG7974	39.55063333	0.108479	364.5925325
32	F10	34239	CG9307	34.33084667	0.109416667	313.7624981
32	F11	34151	CG8136	36.79713667	0.101092333	363.9953244
32	F12	34247	CG9418	29.89177	0.078049	382.987226
32	F13	34159	CG8213	39.66406667	0.104780667	378.5437517
32	F14	34255	CG9450	40.43458	0.096625	418.4691332
32	F15	34167	CG8400	34.18975667	0.098014333	348.8240495
32	F16	34263	CG9469	39.55181	0.085850667	460.7047509
32	F17	34175	CG8565	38.28144333	0.083103	460.6505581

32	F18	34271	CG9514	35.53338667	0.077895667	456.1664106
32	F19	34183	CG8694	34.77067667	0.082878	419.5404892
32	F20	34287	CG9717	38.01831333	0.086480667	439.6163304
32	F21	34199	CG8928	28.99256667	0.088192667	328.7412408
32	F22	34279	CG9616	33.37473667	0.069321667	481.447407
32	F23	34207	CG8998	40.07248	0.067074	597.4368608
32	F24	34303	CG9904	39.79367333	0.067226	591.938734
32	G01	33834	CG17819	36.38862667	0.089146667	408.1883039
32	G02	34028	CG4033	33.06746667	0.12828	257.775699
32	G03	34015	CG3658	23.95282	0.120666667	198.5040331
32	G04	34048	CG4884	26.39466	0.094002333	280.7872854
32	G05	33936	CG31018	34.27645667	0.096839333	353.9518033
32	G06	34040	CG4390	31.08973	0.101654333	305.8377246
32	G07	33944	CG31091	35.43441333	0.091272667	388.2259019
32	G08	34056	CG5566	36.80501333	0.088798333	414.4786501
32	G09	33952	CG31169	35.90218333	0.103242	347.7478481
32	G10	34064	CG5803	40.74692333	0.09546	426.8481388
32	G11	33976	CG3173	98.27613667	0.090933	1080.753265
32	G12	34072	CG6061	42.64907667	0.08494	502.1082725
32	G13	33984	CG31918	43.46644	0.090729333	479.0781372
32	G14	34088	CG6388	36.64954667	0.084122	435.6713662
32	G15	33992	CG32203	47.07255333	0.081553333	577.199624
32	G16	34096	CG6730	27.19796	0.069591	390.8258252
32	G17	34000	CG32751	43.88076	0.085838	511.2043617
32	G18	34112	CG7067	40.44594	0.082466333	490.453963
32	G19	34008	CG3410	34.81160333	0.073006	476.8320869
32	G20	34104	CG6951	29.95818333	0.066980667	447.2661265
32	G21	33964	CG31367	32.82744333	0.085441667	384.2088364
32	G22	34120	CG7221	33.67572333	0.071560667	470.5898492
32	G23	33969	CG3153	34.98006333	0.075786667	461.5595971
32	G24	34032	CG4073	37.87585	0.064940667	583.237776
32	H01	34123	CG7328	39.05024333	0.111868	349.0742959
32	H02	34215	CG9032	39.00813667	0.113234667	344.4893496
32	H03	34191	CG8836	36.30506333	0.111205333	326.4687245
32	H04	34294	CG9782	36.82881333	0.099681	369.4667322
32	H05	34128	CG7453	37.68636	0.103505	364.1018308
32	H06	34224	CG9096	19.70548667	0.071681333	274.9040196
32	H07	34136	CG7673	37.27593667	0.104535	356.5880965
32	H08	34232	CG9205	35.62235	0.086417667	412.2114305
32	H09	34144	CG7975	39.98693333	0.100856667	396.4728823
32	H10	34240	CG9322	41.26662333	0.093397667	441.8378403
32	H11	34152	CG8138	40.03864333	0.090333333	443.232214
32	H12	34248	CG9427	40.67725333	0.085209	477.3821232
32	H13	34160	CG8222	4.838154333	0.081147333	59.62185243
32	H14	34256	CG9453	32.62606667	0.092853333	351.3720563
32	H15	34168	CG8416	28.68944333	0.076816667	373.4794099
32	H16	34264	CG9475	20.95629667	0.084800333	247.1251685
32	H17	34176	CG8604	34.33792667	0.080301333	427.6134062
32	H18	34272	CG9518	34.42614	0.073262667	469.9001765
32	H19	34184	CG8713	39.26389667	0.079079	496.5148354
32	H20	34288	CG9730	35.95120333	0.089013	403.8871101
32	H21	34200	CG8929	40.04813	0.083002	482.495964
32	H22	34280	CG9636	36.31552	0.073279	495.5788152
32	H23	34208	CG9000	35.61449333	0.075298	472.9806015

32	H24	34304	CG9914	34.65716333	0.071528667	484.5213108
32	I01	33835	CG17835	54.52342667	0.124424	438.2066697
32	I02	34026	CG40204	39.26982667	0.130504333	300.9082202
32	I03	34016	CG3703	39.39276	0.119670333	329.1773233
32	I04	34049	CG4917	43.49193667	0.134420667	323.5509669
32	I05	33937	CG31028	40.71881333	0.131133333	310.5145907
32	I06	34041	CG4393	36.9952	0.107925333	342.7851354
32	I07	33945	CG31098	37.18644333	0.103383	359.6959203
32	I08	34057	CG5614	38.21095667	0.113374333	337.0335731
32	I09	33953	CG3119	34.52237667	0.104497667	330.365048
32	I10	34065	CG5805	31.5276	0.112211667	280.9654373
32	I11	33977	CG31757	35.21409667	0.103724	339.498059
32	I12	34073	CG6110	35.39328333	0.103032333	343.5162748
32	I13	33985	CG3194	32.53935667	0.115232333	282.3804372
32	I14	34089	CG6448	38.04680667	0.095761667	397.3072733
32	I15	33993	CG32249	34.96636	0.083895333	416.7855185
32	I16	34097	CG6734	38.66685667	0.090958667	425.1036002
32	I17	34001	CG33048	30.88527667	0.087998	350.9770298
32	I18	34113	CG7084	34.5306	0.086287667	400.180018
32	I19	34009	CG3450	27.61321333	0.096571667	285.9349361
32	I20	34105	CG6954	34.14764	0.084528667	403.9770334
32	I21	33959	CG31289	31.29823667	0.088062	355.4113768
32	I22	34077	CG6143	23.52581667	0.072242667	325.649893
32	I23	33970	CG31542	32.58742667	0.078216667	416.6302152
32	I24	34033	CG4111	3.915546	0.083832333	46.70687125
32	J01	34124	CG7330	41.81169333	0.151074333	276.7623885
32	J02	34216	CG9044	32.61827667	0.157202333	207.4923188
32	J03	34192	CG8843	28.06255333	0.154131667	182.0687075
32	J04	34295	CG9792	36.34653	0.133668667	271.9151085
32	J05	34129	CG7465	37.44179	0.122247667	306.2781566
32	J06	34225	CG9099	34.0933	0.117287	290.6826844
32	J07	34137	CG7708	35.33731667	0.109579	322.482562
32	J08	34233	CG9233	38.40950667	0.120416	318.9734476
32	J09	34145	CG7979	40.65704	0.132862	306.0095437
32	J10	34241	CG9323	24.76270333	0.108749667	227.7037171
32	J11	34153	CG8165	42.34706333	0.101818	415.9094004
32	J12	34249	CG9434	34.67874	0.108147333	320.6619981
32	J13	34161	CG8229	38.47741667	0.11515	334.1503836
32	J14	34257	CG9454	34.20570667	0.098483667	347.323651
32	J15	34169	CG8420	35.96368	0.104185	345.1905745
32	J16	34265	CG9476	48.84413333	0.201543	242.3509292
32	J17	34177	CG8615	5.465910333	0.098887333	55.27412004
32	J18	34273	CG9522	35.56808667	0.090840333	391.5450919
32	J19	34185	CG8736	32.77248333	0.093935	348.8846898
32	J20	34289	CG9746	33.95085333	0.082784	410.1137096
32	J21	34201	CG8944	28.95160333	0.085960333	336.801897
32	J22	34281	CG9641	34.70804667	0.080407333	431.6527514
32	J23	34209	CG9003	28.34782667	0.079646333	355.9213021
32	J24	34305	CG9915	27.73219667	0.088893333	311.9716139
32	K02	34027	CG40283	42.87302	0.129927	329.9777567
32	K03	34017	CG3725	29.39897333	0.184439333	159.3964411
32	K04	34050	CG4920	24.19456667	4.547446333	5.320473271
32	K05	33938	CG31032	30.48306667	0.136846333	222.7539893
32	K06	34042	CG4467	25.03419	0.108909667	229.8619651

32	K07	33946	CG31099	27.41613	0.121699667	225.2769523
32	K08	34058	CG5648	33.82727667	0.102014667	331.5922874
32	K09	33954	CG3123	30.31810333	0.104567667	289.937648
32	K1	33836	CG17870	32.86242667	0.097898333	335.6791229
32	K10	34066	CG5850	28.54955	0.096832667	294.8338715
32	K11	33978	CG31773	28.24044	0.084523	334.1154479
32	K12	34074	CG6112	31.78264667	0.095887333	331.4582392
32	K13	33986	CG3199	34.10038333	0.102713333	331.9956838
32	K14	34090	CG6497	31.76124	0.085341	372.1685942
32	K15	33994	CG32379	30.82975	0.093588667	329.4175577
32	K16	34098	CG6803	29.60099667	0.084926	348.5504635
32	K17	34002	CG33071	30.15980667	0.092876	324.7319724
32	K18	34114	CG7093	37.45748	0.084356333	444.0387404
32	K19	34010	CG3492	30.45414333	0.087273	348.9526352
32	K20	34106	CG6965	34.29161	0.084674333	404.9823441
32	K21	33960	CG31324	29.90823	0.081793333	365.6560844
32	K22	34078	CG6151	26.65985333	0.08619	309.3149244
32	K23	33971	CG31560	32.57386333	0.091305333	356.7575096
32	K24	34034	CG4151	30.69451667	0.080368333	381.9230211
32	L01	34196	CG8874	26.34396333	0.131770667	199.9228205
32	L02	34217	CG9047	32.78112	0.135648667	241.6619404
32	L03	34193	CG8852	27.57894333	0.173699667	158.7737263
32	L04	34296	CG9822	27.1474	0.146477333	185.3351599
32	L05	34130	CG7466	36.62942	0.120530333	303.9020883
32	L06	34226	CG9101	34.21041	0.133884667	255.5214936
32	L07	34138	CG7904	28.86177667	0.131499	219.4828605
32	L08	34234	CG9240	34.52687	0.110134	313.4987379
32	L09	34146	CG8023	33.20626	0.126226	263.0698905
32	L10	34242	CG9336	25.20365	0.087366	288.4835062
32	L11	34154	CG8170	30.70875667	0.105196667	291.9175829
32	L12	34250	CG9436	31.84079333	0.107980333	294.875857
32	L13	34162	CG8238	28.32414667	0.087878333	322.3109223
32	L14	34258	CG9455	31.66624	0.11462	276.2715058
32	L15	34170	CG8432	25.59678333	0.085514667	299.3262364
32	L16	34266	CG9488	30.00031	0.078818	380.6276485
32	L17	34178	CG8646	32.13996667	0.082842	387.9670537
32	L18	34274	CG9525	26.36036	0.089273	295.2780796
32	L19	34186	CG8756	31.41670667	0.085930667	365.6052942
32	L20	34290	CG9754	30.88777	0.073750667	418.8134345
32	L21	34202	CG8958	32.01610667	0.083173333	384.9323501
32	L22	34282	CG9648	43.29729333	0.076037667	569.419016
32	L23	34210	CG9009	27.45954	0.085780667	320.11339
32	L24	34299	CG9854	25.16664667	0.072205	348.544376
32	M01	33962	CG31348	38.93708333	0.122478	317.9108357
32	M02	34081	CG6211	34.52374333	0.123733	279.0180739
32	M03	34018	CG3760	24.19877667	0.393066	61.56415632
32	M04	34051	CG5070	29.44611667	0.106215333	277.2303748
32	M05	33939	CG31064	32.59042	0.119111667	273.6123246
32	M06	34043	CG4696	31.89818667	0.109613	291.0073319
32	M07	33947	CG31101	32.46258	0.106389	305.1309816
32	M08	34059	CG5657	29.13166667	0.119174	244.4464956
32	M09	33955	CG3125	56.97484	0.099589667	572.0959002
32	M10	34067	CG5876	31.28322667	0.101305	308.8023954
32	M11	33979	CG31791	26.27868667	0.087909667	298.9282938

32 M12	34075	CG6124	28.85418333	0.092932333	310.485945
32 M13	33987	CG3200	32.71069667	0.098552	331.9130679
32 M14	34091	CG6518	28.65490667	0.075357667	380.2520425
32 M15	33995	CG32451	29.25899333	0.115207	253.968885
32 M16	34099	CG6819	23.59473333	0.108742333	216.9783617
32 M17	34003	CG33109	33.04687	0.084136667	392.7760786
32 M18	34115	CG7123	28.81666	0.081805333	352.2589399
32 M19	34011	CG3590	31.35326333	0.077036333	406.9931937
32 M20	34107	CG6982	28.14894	0.076283333	369.0051125
32 M21	34020	CG3805	31.25499	0.082549333	378.6219554
32 M22	34036	CG4202	26.26162	0.101713667	258.1916557
32 M23	33972	CG31628	28.54422	0.081009333	352.357177
32 M24	34084	CG6232	32.08574667	0.076112	421.5596314
32 N01	34204	CG8961	45.79921667	0.144961	315.9416441
32 N02	34218	CG9053	21.12367667	0.169139	124.8894499
32 N03	34194	CG8867	32.68754333	0.136703667	239.112411
32 N04	34297	CG9843	36.77415	0.126360667	291.0252927
32 N05	34131	CG7497	30.48618333	0.126170333	241.6271918
32 N06	34227	CG9156	35.616	0.121792333	292.4322002
32 N07	34139	CG7905	22.69521333	0.112756	201.2772122
32 N08	34235	CG9245	33.65433667	0.127279	264.4138991
32 N09	34147	CG8048	24.65677667	0.104161667	236.7164184
32 N10	34243	CG9350	35.58148	0.106922	332.7797834
32 N11	34155	CG8171	13.33886	0.184200667	72.4148302
32 N12	34251	CG9438	34.03739333	0.111981333	303.9559569
32 N13	34163	CG8257	35.8547	0.104586333	342.8239509
32 N14	34259	CG9456	29.51811667	0.090779333	325.1633999
32 N15	34171	CG8472	20.34201	0.076363333	266.3845214
32 N16	34267	CG9490	28.13475333	0.076550667	367.5311341
32 N17	34179	CG8664	30.7078	0.083410667	368.151955
32 N18	34275	CG9550	29.27381	0.084318333	347.1820284
32 N19	34187	CG8779	27.06417333	0.08731	309.977933
32 N20	34291	CG9757	26.06900333	0.099170333	262.8709863
32 N21	34203	CG8959	33.31586333	0.076882	433.3376256
32 N22	34283	CG9652	29.64926	0.085777	345.655129
32 N23	34211	CG9018	34.93970667	0.092752	376.7003048
32 N24	34300	CG9876	28.14042	0.067311333	418.0636247
32 O01	33963	CG31350	36.14848	0.130525667	276.9453773
32 O02	34082	CG6215	42.69197	0.142852667	298.8531541
32 O03	34019	CG3777	34.66236667	0.130345667	265.926498
32 O04	34052	CG5282	35.01513333	0.140762	248.7541619
32 O05	33940	CG31069	14.90574667	0.141996	104.9730039
32 O06	34044	CG4741	32.46951667	0.125930667	257.836455
32 O07	33948	CG31103	33.15445	0.107507333	308.3924507
32 O08	34060	CG5661	30.22339667	0.125060333	241.670527
32 O09	33956	CG31259	30.98536667	0.11162	277.5969062
32 O10	34068	CG5890	30.46205667	0.125590667	242.5503222
32 O11	33980	CG31851	31.46204667	0.115024667	273.5243455
32 O12	34076	CG6139	33.50805	0.119453333	280.5116363
32 O13	33988	CG32018	40.53848333	0.125275333	323.5950945
32 O14	34092	CG6531	29.57442333	0.095716	308.9809785
32 O15	33996	CG3259	31.14637333	0.110494	281.8829378
32 O16	34100	CG6890	30.95573667	0.09425	328.4428294
32 O17	34004	CG33139	33.19884333	0.112474	295.1690465

32	O18	34116	CG7125	29.89641667	0.093514333	319.6987628
32	O19	34012	CG3595	28.23959667	0.097565	289.4439263
32	O20	34083	CG6217	32.45347	0.090744	357.63764
32	O21		wts	119.5300333	0.093087333	1284.063353
32	O22		HFA17794	2.675391667	0.016365	163.4825339
32	O23		hpo	73.10838	0.082437	886.8394046
32	O24		Luc	5.045475	0.095734333	52.70287915
32	P01	34212	CG9019	35.14578	0.162444333	216.3558388
32	P02	34219	CG9059	36.47159667	0.165	221.0399798
32	P03	34195	CG8871	32.97362	0.13122	251.2850175
32	P04	34298	CG9847	35.31962333	0.130581333	270.4798797
32	P05	34132	CG7543	31.45108	0.130688667	240.6565221
32	P06	34228	CG9170	29.69274	0.122467333	242.4543688
32	P07	34140	CG7928	25.79209333	0.108617333	237.4583553
32	P08	34236	CG9248	30.90871	0.116199667	265.9965462
32	P09	34148	CG8065	33.31887333	0.120626333	276.2155859
32	P10	34244	CG9392	32.57956333	0.109907	296.4284653
32	P11	34156	CG8184	51.46141667	0.097414	528.2753677
32	P12	34252	CG9445	32.33893	0.119109	271.507023
32	P13	34164	CG8310	27.26947667	0.107896667	252.7369706
32	P14	34260	CG9458	29.78654333	0.093429333	318.8136131
32	P15	34172	CG8509	28.62295333	0.093951667	304.656153
32	P16	34268	CG9491	38.81703667	0.103522333	374.9629227
32	P17	34180	CG8665	33.14808667	0.093169	355.7845063
32	P18	34276	CG9573	23.18511667	0.094844667	244.4535627
32	P19	34188	CG8806	28.81155333	0.096333667	299.0808336
32	P20	34292	CG9759	29.67975	0.082645	359.1233589
32	P21		wts	103.3773667	0.061803667	1672.673682
32	P22		HFA17794	2.270527333	0.017543	129.4263999
32	P23		hpo	75.55707	0.072557333	1041.342984
32	P24		Luc	5.090937667	0.089958	56.59238385
33	A01		DIAP1	1.04357	0.013495333	77.32821222
33	A02		ex/ft	85.71991333	0.132711333	645.912532
33	A03		Luc	3.432814	0.165803667	20.70408978
33	A04		hpo	70.40666667	0.122843	573.1434975
33	A05	19670	CG6857	27.72344667	0.133366	207.8749206
33	A06	31305	CG15772	9.384632333	0.133041333	70.5392234
33	A07	19673	CG12673	26.16304	0.124068	210.876616
33	A08	31310	CG18809	30.63355333	0.130162333	235.3488336
33	A09	19669	CG6836	27.98775667	0.124502333	224.7970453
33	A10	NA	NA	27.17676667	0.125669333	216.2561537
33	A11	19668	CG6802	26.41193667	0.123343	214.1340544
33	A12	31301	CG15740	22.61055667	0.115071333	196.4916545
33	A13	19674	CG7515	22.71895333	0.107769333	210.8109295
33	A14	31311	CG1640	21.96114667	0.123699667	177.5360214
33	A15	19671	CG7461	24.82931667	0.114040333	217.7239924
33	A16	31224	CG11491	36.47679	0.106755333	341.6858799
33	A17	19672	CG7476	25.73415667	0.104620667	245.9758429
33	A18	17217	CG9901	9.080526333	0.105236	86.28726228
33	A19	19703	CG6788	23.01015	0.121511	189.3668063
33	A20	17218	CG2987	24.60203	0.105870333	232.3788849
33	A21	31312	CG1724	26.62722667	0.117337333	226.9288547
33	A22	17219	CG3473	28.10610333	0.102011	275.5203197
33	A23	31304	CG12115	29.13919667	0.105814	275.381298

33	A24	17216	CG6224	23.72085333	0.104585667	226.80788
33	B01		DIAP1	1.098435667	0.016951667	64.79809262
33	B02		ex/ft	93.33429667	0.158371667	589.3370868
33	B03		Luc	4.451756	0.170489667	26.11158839
33	B04		hpo	73.89235	0.138360333	534.0573286
33	B05	27211	CG14307	34.68979333	0.14787	234.59656
33	B06	23285	CG3182	33.52279	0.162566	206.2103392
33	B07	27216	CG10093	28.62211667	0.156259667	183.1702145
33	B08	23287	CG3315	29.45639333	0.138849333	212.1464513
33	B09	27217	CG11523	29.79514667	0.151097333	197.191744
33	B10	23286	CG3248	27.57958333	0.140037	196.9449741
33	B11	27219	CG13670	29.69991667	0.134336333	221.0862537
33	B12	23288	CG3368	38.86550333	0.137047333	283.5918247
33	B13	27220	CG15280	32.24644	0.134460667	239.8206167
33	B14	23282	CG3622	26.0249	0.116332667	223.7110241
33	B15	27218	CG12625	36.13010333	0.144908667	249.3301758
33	B16	23281	CG3158	28.60886333	0.119319667	239.7665375
33	B17	27212	CG3351	40.00912667	0.131125667	305.1204824
33	B18	23289	CG3408	28.09723333	0.109232	257.2252942
33	B19	34902	CG5700	28.80331333	0.120435333	239.1599918
33	B20	23292	CG3544	38.31021667	0.096700333	396.1746082
33	B21	34946	CG9653	30.49586	0.103835	293.6953821
33	B22	23478	CG4867	30.36873667	0.109459333	277.4430991
33	B23	34925	CG7884	27.48318333	0.095104667	288.9782836
33	B24	23477	CG31293	33.73972333	0.11267	299.4561404
33	C01	19678	CG7589	36.43874	0.178519667	204.1161105
33	C02	31300	CG1681	28.07797333	0.146863	191.1848003
33	C03	19665	CG7568	30.93654667	0.133625333	231.5170776
33	C04	31296	CG12348	29.39825667	0.122017667	240.9344275
33	C05	19682	CG6859	29.77953	0.13039	228.3881433
33	C06	NA	NA	29.21557667	0.132445	220.5864824
33	C07	19685	CG32373,CG7496	29.48736667	0.132961333	221.7739995
33	C08	NA	NA	33.46692667	0.131393667	254.7073045
33	C09	19681	CG6840	22.00982333	0.103745667	212.1517365
33	C10	NA	NA	31.57334333	0.13192	239.3370477
33	C11	19700	CG7556	30.74144667	0.120172	255.8120583
33	C12	31289	CG15737	31.28503	0.118320333	264.409583
33	C13	19679	CG6673,CG6781	35.32513667	0.129545667	272.684819
33	C14	31299	CG32648	31.78713333	0.116993667	271.6996077
33	C15	19683	CG7463	25.55302667	0.119861667	213.1876469
33	C16	17211	CG30183	29.78587	0.124211667	239.7992942
33	C17	19684	CG7480	32.25522333	0.122062667	264.2513408
33	C18	17229	CG33101	2.627035	0.21328	12.31730589
33	C19	19715	CG6792	26.60488333	0.101803	261.3369285
33	C20	17230	CG3009	26.38187	0.101331	260.3533963
33	C21	31303	CG32677	32.71479667	0.116873	279.9174888
33	C22	17215	CG5722	33.47142333	0.116441333	287.4531094
33	C23	31292	CG2120	30.73956	0.093335667	329.344195
33	C24	17228	CG9401	22.4926	0.132886333	169.2619507
33	D01	19768	CG7850	12.99254	0.141425667	91.8683313
33	D02	24432	CG10874	27.66050667	0.121621	227.431995
33	D03	19780	CG1956	40.27704333	0.186461333	216.0074832
33	D04	23302	CG3483	32.34958333	0.156215333	207.0832782
33	D05	27223	CG7760	32.97285333	0.140032333	235.4659995

33	D06	23297	CG3184	34.44757667	0.138921333	247.9646275
33	D07	27228	CG10140	29.85653333	0.134293667	222.3227206
33	D08	23299	CG3325	35.85706333	0.157406	227.7998509
33	D09	27229	CG11590	35.27786	0.142030667	248.3819926
33	D10	23298	CG3258	29.72739	0.139059	213.7753759
33	D11	27231	CG13880	39.36074333	0.139550333	282.0540976
33	D12	23300	CG3385	34.62741667	0.133658	259.0747779
33	D13	27232	CG15462	31.86539667	0.144438333	220.6159261
33	D14	23294	CG3626	34.34243333	0.110063667	312.0233441
33	D15	27230	CG12632	20.78323333	0.114893	180.8920764
33	D16	23293	CG3160	31.59442	0.122089	258.7818722
33	D17	27270	CG2803	34.88709	0.091598667	380.8689719
33	D18	23355	CG3675	30.1359	0.120697	249.6822622
33	D19	34903	CG5723	33.40610333	0.112902	295.885842
33	D20	23291	CG31779,CG3513	33.71706667	0.108847333	309.764747
33	D21	34911	CG6575	29.15184	0.098372667	296.3408535
33	D22	23490	CG4871	28.91353333	0.112462333	257.0952645
33	D23	34932	CG8405	33.68561333	0.097835667	344.3081085
33	D24	23489	CG4835	30.7548	0.126067667	243.9547016
33	E01	19690	CG7592	46.42935333	0.157235	295.286376
33	E02	NA	NA	50.79841667	0.135426333	375.0999929
33	E03	19677	CG18741	45.51781667	0.110548333	411.7458427
33	E04	31306	CG32813	42.18342667	0.124458667	338.9352288
33	E05	19694	CG7448	42.10866333	0.119047333	353.7136209
33	E06	31281	CG15770	49.75813	0.112346667	442.8981427
33	E07	19697	CG31216	40.89763333	0.114234667	358.0142047
33	E08	NA	NA	53.41187	0.113057333	472.4317161
33	E09	19693	CG6845	46.80093333	0.092096	508.175527
33	E10	31285	CG18091	49.55587	0.102052333	485.5927188
33	E11	19692	CG6808,CG6813	46.24893333	0.102338	451.9233651
33	E12	31277	CG15736	72.75092	0.089255	815.0906952
33	E13	19698	CG7520	50.23746	0.119334	420.9819498
33	E14	31287	CG3981	46.96322	0.099290667	472.9872563
33	E15	19695	CG7464	41.53104667	0.085207667	487.4097401
33	E16	17223	CG4532	59.29153	0.097384	608.842623
33	E17	19696	CG32177,CG32179,CG7484	50.39849	0.090853333	554.7236205
33	E18	17241	CG1149	46.20709667	0.085842	538.2807561
33	E19	31290	CG1749	44.46707667	0.092544333	480.4948619
33	E20	17242	CG3064	57.35336333	0.099176333	578.2968719
33	E21	31291	CG1844	46.20542	0.086418667	534.6694387
33	E22	17299	CG6176	48.66093333	0.094083667	517.2091507
33	E23	31219	CG32521	53.07230333	0.094743	560.1712352
33	E24	17240	CG9426	39.44094333	0.087674667	449.8556405
33	F01	19778	CG8896	59.18492667	0.159251667	371.6440016
33	F02	24491	CG10850	58.21082667	0.182180333	319.5231099
33	F03	19833	CG30456	51.18221667	0.136536	374.8624294
33	F04	23314	CG32954	44.91222667	0.124963	359.404197
33	F05	27235	CG7960	48.11491667	0.146502	328.4249817
33	F06	23309	CG3187	42.57053667	0.120937	352.0058929
33	F07	27240	CG10145	37.69114667	0.124633	302.4170699
33	F08	23311	CG3326	42.99184	0.108300333	396.9686766
33	F09	27241	CG11697	39.25635333	0.130854	300.0011718
33	F10	23332	CG4386	42.13721667	0.11419	369.0096914
33	F11	27243	CG13999	47.06018333	0.115082333	408.926218

33	F12	23312	CG30277	43.90902	0.109881	399.6052093
33	F13	27306	CG3302	41.49447333	0.110734	374.7220667
33	F14	23319	CG3653	42.87056667	0.097323667	440.4947752
33	F15	27238	CG6038	45.34058333	0.084384333	537.3104407
33	F16	23305	CG3162	46.2318	0.090374	511.5608471
33	F17	27282	CG2813	51.6617	0.100257667	515.2892713
33	F18	23313	CG3413	40.22953667	0.084138667	478.1337554
33	F19	34904	CG5732	40.02476667	0.091446333	437.6858558
33	F20	23316	CG3561	40.58066333	0.085143	476.6177294
33	F21	34947	CG9696	52.05422667	0.125359667	415.2390322
33	F22	23502	CG4872	37.7575	0.075040667	503.1605085
33	F23	34927	CG7937	42.39132667	0.091734667	462.1080362
33	F24	23501	CG33006	38.25459333	0.084027667	455.261878
33	G01	19702	CG7602	37.23000667	0.143149667	260.0774947
33	G02	31276	CG1670	33.48376333	0.121890667	274.7032587
33	G03	19689	CG7570	33.81916667	0.122727	275.5641926
33	G04	NA	NA	45.10070667	0.131289667	343.5206122
33	G05	19706	CG7450	37.22785	0.148201667	251.1972425
33	G06	31269	CG15766	36.93991333	0.122551	301.4248218
33	G07	19709	CG7502	33.39686333	0.110901333	301.1403229
33	G08	31274	CG18646	33.60991667	0.110756	303.4591053
33	G09	19705	CG6846	4.470464	0.147511667	30.30583344
33	G10	31273	CG1558	42.8848	0.140053333	306.2033511
33	G11	19704	CG6816	33.14194	0.104362333	317.5661078
33	G12	31265	CG12720	33.87289667	0.096975333	349.2939442
33	G13	19710	CG14322,CG7523	37.89013667	0.121913667	310.7948248
33	G14	31307	CG12794	36.54782667	0.113868	320.9666163
33	G15	19707	CG7467	46.49000667	0.092823667	500.8421703
33	G16	17235	CG4767	36.83662333	0.108779667	338.6351922
33	G17	19708	CG7485	32.72220333	0.098059667	333.6968648
33	G18	17253	CG1470	38.64866667	0.104318	370.4889536
33	G19	31278	CG1753	38.02681667	0.107619	353.3466829
33	G20	17254	CG3263	34.28461333	0.138489667	247.5608048
33	G21	31279	CG1840	33.75459333	0.08703	387.85009
33	G22	17239	CG5753	37.66869333	0.100959	373.1088198
33	G23	31268	CG12111	31.92896	0.103500667	308.4903801
33	G24	17252	CG9580	46.40611667	0.087514	530.2707757
33	H01	19788	CG9739	40.97793333	0.147932	277.0052006
33	H02	24456	CG10908	32.82864667	0.161448667	203.3379857
33	H03	27239	CG9072	32.0001	0.137837	232.1589994
33	H04	23326	CG3485	30.45760667	0.125231	243.2113987
33	H05	27247	CG8007	42.87406667	0.139550333	307.2301272
33	H06	23321	CG30174,CG30179	36.36870333	0.135122667	269.1532385
33	H07	27252	CG10365	38.98152667	0.109214333	356.9268381
33	H08	23323	CG3337	33.08325667	0.115880667	285.4941865
33	H09	27253	CG11709	33.85766333	0.123126	274.9838648
33	H10	23322	CG3284	17.33557	0.082965333	208.9495613
33	H11	27255	CG14057	28.88867	0.108947667	265.1609794
33	H12	23324	CG3388	34.66574333	0.110548333	313.5799726
33	H13	27256	CG15676	36.31982667	0.118707667	305.9602441
33	H14	23318	CG3631	38.17982	0.109208667	349.6043049
33	H15	27254	CG12766	34.67044	0.103352333	335.458706
33	H16	23317	CG3164	32.49837667	0.103549333	313.8443834
33	H17	27294	CG3078	31.80644667	0.088277333	360.3013986

33	H18	23325	CG3437	29.30383667	0.102751	285.1927151
33	H19	34945	CG9553	17.67658333	0.071800667	246.1896825
33	H20	23315	CG3524	34.61181	0.089077667	388.5576632
33	H21	34913	CG6668	23.90319333	0.071090667	336.2353239
33	H22	23514	CG4889	37.09817667	0.094761667	391.4892801
33	H23	34928	CG8013	49.17777333	0.110357	445.6244129
33	H24	23513	CG4854	39.88976333	0.093321	427.4468055
33	I01	19714	CG7603	37.35835	0.176712333	211.4077116
33	I02	31264	CG1689	31.84493667	0.145099333	219.4699034
33	I03	19701	CG7571	31.40641	0.137474667	228.4523452
33	I04	31282	CG17764	37.05362333	0.138198333	268.1191765
33	I05	19718	CG7457	30.17660333	0.131965	228.6712638
33	I06	31257	CG33174	37.09057333	0.146180333	253.7316237
33	I07	19721	CG7503	32.36192333	0.146368667	221.0987097
33	I08	31262	CG12179	28.46326333	0.126063	225.7860223
33	I09	19717	CG6847	31.19296667	0.126642	246.3082284
33	I10	31261	CG1554	10.01148333	0.043033	232.646651
33	I11	19716	CG6817	23.39893667	0.118071667	198.1757125
33	I12	31254	CG15927	33.07611667	0.124697333	265.2511949
33	I13	19722	CG7537	33.19803333	0.121661667	272.8717619
33	I14	NA	NA	27.77379667	0.111534333	249.0156693
33	I15	19719	CG31342	29.43489333	0.107367333	274.1512937
33	I16	17247	CG32955	30.27855333	0.117051	258.6782969
33	I17	19720	CG7488	32.20702667	0.104718333	307.5586255
33	I18	17265	CG1531	27.56758	0.11486	240.0102734
33	I19	31266	CG1745	29.91511333	0.103227	289.7993096
33	I20	17266	CG3339	26.68659333	0.123614667	215.8853318
33	I21	31267	CG32597	27.74599	0.091984667	301.6371207
33	I22	17251	CG32030	25.12487	0.103598	242.5227321
33	I23	31256	CG1999	29.73201333	0.098586	301.5845387
33	I24	17264	CG9623	27.36025667	0.104543667	261.7112785
33	J01	19797	CG10497	28.78187	0.123718667	232.6396717
33	J02	24468	CG10913	26.57760667	0.157188	169.0816517
33	J03	27251	CG9150	29.08392	0.154487	188.2612776
33	J04	23338	CG30414	29.32041333	0.210028	139.6024022
33	J05	27259	CG8333	28.1444	0.137615667	204.5145054
33	J06	23333	CG3222	35.87623667	0.159327667	225.1726735
33	J07	27264	CG10597	28.44216667	0.128206667	221.8462378
33	J08	23335	CG3340	33.3186	0.151142667	220.4447013
33	J09	27272	CG4330	36.38886	0.145642667	249.8502728
33	J10	23334	CG3295	35.71298333	0.144577	247.0170451
33	J11	27245	CG18228	32.48618667	0.124266333	261.4238772
33	J12	23336	CG3389	31.41301667	0.123330333	254.7063307
33	J13	27268	CG15696	32.05543667	0.127978	250.4761495
33	J14	23330	CG3633	34.90856333	0.138173333	252.6432741
33	J15	27266	CG12951	31.33750333	0.111677333	280.6075539
33	J16	23343	CG3668	32.40342333	0.103496333	313.0876456
33	J17	27260	CG3893	30.80481667	0.104582667	294.5499254
33	J18	23337	CG3445	40.05878667	0.114289333	350.5032841
33	J19	34906	CG5953	13.94793667	0.107806	129.3799665
33	J20	23368	CG4395	28.55598	0.100804333	283.2812743
33	J21	34914	CG6741	27.19121	0.113238667	240.1230145
33	J22	23526	CG4903	37.83708	0.100046333	378.1955694
33	J23	34929	CG8243	23.27312	0.091149	255.3305028

33	J24	23525	CG4858	29.96136667	0.093518667	320.3784628
33	K02	31253	CG1677	29.45377	0.165762667	177.686391
33	K03	19676	CG7550	9.738228333	0.185783	52.41721973
33	K04	31249	CG2707	20.07777	0.140350333	143.0546656
33	K05	19730	CG7458	30.44049333	0.163956667	185.6618212
33	K06	31246	CG12726	24.46577333	0.136988333	178.5974961
33	K07	19733	CG7504	25.55032667	0.142652	179.1094879
33	K08	31251	CG18313	21.68820333	0.113303667	191.4166061
33	K09	19729	CG6850	21.04221	0.128394	163.8877985
33	K1	19726	CG7604	26.21019	0.103077	254.2777729
33	K10	31271	CG16782	27.59896	0.143182333	192.7539478
33	K11	19728	CG6830	23.36418667	0.114021333	204.91066
33	K12	31236	CG11556	25.55008667	0.137071667	186.3994747
33	K13	19734	CG7538	24.03419667	0.105042	228.8055889
33	K14	31283	CG32776	24.28558	0.101317333	239.698176
33	K15	19724	CG7564	25.47828667	0.108234667	235.3985784
33	K16	17259	CG4905	25.10849333	0.100257	250.4412992
33	K17	19749	CG7579	27.68759667	0.103920333	266.430984
33	K18	17277	CG1583	26.67315	0.127604667	209.0295809
33	K19	31221	CG4147	2.476948	0.208037667	11.90624775
33	K20	17278	CG3352	26.62914667	0.109453333	243.2922402
33	K21	31255	CG1796	15.33626667	0.202281333	75.81651957
33	K22	17263	CG5972	11.07583233	0.126021333	87.88855062
33	K23	31245	CG1994	34.32884333	0.145281	236.2927247
33	K24	17300	CG9881	11.45009667	0.101375333	112.9475612
33	L01	19806	CG11614	24.58303333	0.159967333	153.6753337
33	L02	24503	CG32264	32.73713667	0.163018667	200.8183316
33	L03	27263	CG9187	30.20087333	0.177396	170.2455147
33	L04	23351	CG30267,CG3536	31.39855333	0.152463667	205.9412188
33	L05	27271	CG8348	21.81383	0.169662667	128.5717738
33	L06	23345	CG3224	23.61013667	0.182829667	129.1373391
33	L07	27276	CG11121	22.27861	0.125084667	178.1082414
33	L08	23347	CG3347	26.08881667	0.140406333	185.8094008
33	L09	27277	CG11900	25.13577	0.128729	195.26113
33	L10	23346	CG3298	23.60353333	0.128597667	183.5455801
33	L11	27279	CG14750	31.15742333	0.128212667	243.0136128
33	L12	23307	CG3650	29.52116333	0.114393	258.0679179
33	L13	27280	CG16724	27.11399	0.120793667	224.4653279
33	L14	23342	CG3635	27.38633333	0.122248	224.0227516
33	L15	27278	CG32556	29.28754	0.117248667	249.7899621
33	L16	23341	CG3169	33.12851333	0.122469333	270.5045617
33	L17	34955	CG9941	29.07097	0.102965333	282.3374534
33	L18	23284	CG4372	22.79953	0.102717333	221.9638036
33	L19	34907	CG6004	31.01264667	0.097406667	318.3832044
33	L20	23485	CG4805	26.66241333	0.101682667	262.2119798
33	L21	34915	CG6889	28.04102667	0.091323	307.0532798
33	L22	23521	CG4813	25.52457667	0.099241333	257.1970348
33	L23	34930	CG8300	26.12621667	0.095698	273.0069246
33	L24	23561	CG4866	31.54932667	0.113333333	278.3764118
33	M01	19738	CG6199,CG7607	31.98189667	0.161922333	197.5138081
33	M02	NA	NA	26.29186667	0.159456333	164.8844302
33	M03	19688	CG7551	30.52299667	0.128138	238.2040977
33	M04	31237	CG32703	27.19984	0.124367333	218.7056623
33	M05	19742	CG7459	23.20983	0.128608333	180.4690987

33	M06	31234	CG32636	23.79448	0.132995333	178.9121423
33	M07	19745	CG7508	24.21997667	0.110057	220.067571
33	M08	31258	CG15781	27.58620667	0.133737667	206.2710331
33	M09	19741	CG6851	27.22328333	0.115702333	235.2872457
33	M10	31235	CG17761	21.1875	0.119437333	177.3942821
33	M11	19740	CG6833	26.79187333	0.12963	206.6795752
33	M12	31230	CG15720	27.21571333	0.116834667	232.9421062
33	M13	19746	CG7542	26.80457	0.10896	246.0037628
33	M14	31240	CG18823	24.30172667	0.107198667	226.6980311
33	M15	19736	CG7565	27.08094	0.100396667	269.7394336
33	M16	17271	CG5627	27.57356667	0.127749	215.8417417
33	M17	19744	CG7492	28.04039667	0.126183	222.2200825
33	M18	17289	CG1599	23.44850667	0.125425333	186.9519183
33	M19	31243	CG1740	26.51736	0.099417333	266.7277336
33	M20	17290	CG3421	24.64189333	0.097246667	253.3957634
33	M21	31244	CG1789	24.83989333	0.11774	210.9724251
33	M22	17275	CG6095	26.82726	0.097472667	275.2285427
33	M23	31233	CG12106	26.70034333	0.080655	331.04387
33	M24	17288	CG9764	28.03698667	0.096275	291.217727
33	N01	19760	CG17964	28.77079667	0.193689333	148.5409453
33	N02	24492	CG10924	27.04499333	0.178856	151.2109928
33	N03	27275	CG9617	28.23152	0.166001	170.0683731
33	N04	23363	CG3540	43.19365	0.170222667	253.7479341
33	N05	27283	CG8353	21.55721	0.143502	150.2223662
33	N06	23357	CG3238	28.10313667	0.157880333	178.00277
33	N07	27288	CG11246	13.58724333	0.092181	147.3974391
33	N08	23295	CG3649	30.24555	0.141181333	214.2319334
33	N09	27273	CG15148,CG5674	34.81469667	0.146996667	236.8400417
33	N10	23358	CG3306	35.56616333	0.121121333	293.6407844
33	N11	27291	CG14983	28.57957667	0.135139	211.4828189
33	N12	23360	CG3400	33.62452	0.141063333	238.3647062
33	N13	27292	CG31220	25.42679	0.111482	228.0797797
33	N14	23354	CG3639	27.47206	0.130161333	211.0616056
33	N15	27286	CG6340	21.01389333	0.119325667	176.1053922
33	N16	23353	CG3178	31.3457	0.133282333	235.1827074
33	N17	34944	CG9369	31.88333667	0.123274667	258.6365677
33	N18	23296	CG4373	27.67164667	0.111389333	248.4227694
33	N19	34908	CG6043	27.32859667	0.103961	262.8735455
33	N20	23497	CG4806	25.73361333	0.147538333	174.4198457
33	N21	34916	CG6993	14.96074	0.131036667	114.1721656
33	N22	23557	CG4818	26.77397	0.108496667	246.7722818
33	N23	34948	CG9731	25.75432	0.104756667	245.8489834
33	N24	23549	CG4865,CG6121	39.61838667	0.133026333	297.8236389
33	O01	19750	CG7610	31.68686667	0.170183333	186.1925375
33	O02	31229	CG1659	31.23639333	0.155183667	201.2866045
33	O03	19737	CG7577	24.63188667	0.146866667	167.7159782
33	O04	31225	CG17333	30.40947667	0.165374667	183.8823157
33	O05	19754	CG7460	29.99835667	0.131474	228.1694987
33	O06	31222	CG15745	26.57987	0.198099667	134.1742288
33	O07	19757	CG7512	30.95603667	0.156489	197.8160552
33	O08	31247	CG17763	45.16994	0.141177333	319.9517864
33	O09	19748	CG7567	30.19457333	0.124358667	242.8023245
33	O10	31226	CG17959	33.32730333	0.128848333	258.6552924
33	O11	19752	CG6834	27.80755667	0.123279667	225.5648269

33	O12	31218	CG32645	30.00099333	0.129648	231.4034411
33	O13	19758	CG32372	31.53412333	0.120638	261.3946131
33	O14	NA	NA	29.00621667	0.127181	228.0703617
33	O15	19755	CG31719	29.09578333	0.143239667	203.1265781
33	O16	17295	CG5686	28.76077667	0.111159667	258.7339233
33	O17	19756	CG18768	30.17403667	0.109493667	275.5779177
33	O18	17301	CG32717	25.97626667	0.103221	251.6568011
33	O19	31220	CG32513	31.97358333	0.109178333	292.8564886
33	O20	17302	CG3469	25.40129	0.123102333	206.34288
33	O21		wts	98.16146	0.104339	940.7935671
33	O22		HFA17794	2.576683667	0.016139333	159.6524227
33	O23		hpo	75.89044	0.088361333	858.8648127
33	O24		Luc	4.659199667	0.096921333	48.07197246
33	P01	19824	CG14026	39.54849	0.224509667	176.154954
33	P02	24504	CG10938	4.36057	0.121331	35.93945488
33	P03	27299	CG9976	29.66509	0.182269	162.7544454
33	P04	23375	CG3542	28.38554333	0.219108333	129.5502681
33	P05	27295	CG8361	26.70479333	0.159111	167.8375055
33	P06	23369	CG3241	24.68112667	0.151885	162.4987765
33	P07	27305	CG18643	26.32765333	0.181419	145.1207058
33	P08	23371	CG3362	36.02484	0.146832667	245.3462218
33	P09	27301	CG12477	29.90134333	0.151302	197.6268875
33	P10	23370	CG3309	27.91046	0.150071667	185.9808758
33	P11	27281	CG18594	33.02140667	0.147357333	224.0906911
33	P12	23372	CG3407	28.61095333	0.137976	207.3618117
33	P13	27297	CG5768	24.97589	0.111627667	223.7428296
33	P14	23366	CG3640	31.31007	0.126069333	248.3559576
33	P15	27302	CG13410	39.33613	0.138215667	284.5996474
33	P16	23365	CG3181	20.84439333	0.121539333	171.5032719
33	P17	34901	CG5466	25.59533	0.121826667	210.0962843
33	P18	23373	CG3478	26.22026	0.114472333	229.0532501
33	P19	34909	CG6120	27.37895333	0.101453333	269.8674596
33	P20	23509	CG30061,CG4812	29.18278667	0.135629667	215.165217
33	P21		wts	109.12278	0.085537	1275.737751
33	P22		HFA17794	2.374977333	0.013466	176.3684341
33	P23		hpo	76.54801667	0.102500333	746.8074901
33	P24		Luc	3.77314	0.114177333	33.04631392
34	A01		DIAP1	0.995324333	0.013263	75.04518837
34	A02		ex/ft	91.20422	0.161713333	563.9870141
34	A03		Luc	3.351113333	0.164553333	20.36490702
34	A04		hpo	88.87136667	0.143169	620.7444815
34	A05	23479	CG4918	8.651409667	0.155328667	55.6974437
34	A06	19377	CG1866	26.05690333	0.164011667	158.872255
34	A07	23481	CG5638	24.45927667	0.215198	113.6594051
34	A08	19382	CG2099	6.092755	0.227589667	26.77078924
34	A09	23482	CG5663	31.16182667	0.158570667	196.5169682
34	A10	19383	CG2249	25.64520333	0.132999333	192.8220442
34	A11	23476	CG5902	27.79518	0.153268	181.350184
34	A12	29499	CG31182	27.92063333	0.144056333	193.8174649
34	A13	24910	CG12674	31.15496667	0.131202333	237.4574131
34	A14	29501	CG31207	26.67017667	0.125507333	212.4989509
34	A15	24909	CG12237	26.13059667	0.137255	190.3799254
34	A16	29502	CG31227	29.84440333	0.142971	208.744454
34	A17	24916	CG12410	29.07459667	0.138556667	209.839031

34	A18	29503	CG31244	27.28486	0.130024	209.8447979
34	A19	24914	CG12327	28.36496333	0.139887	202.7705458
34	A20	29504	CG31267	28.7771	0.117579667	244.7455484
34	A21	24917	CG12479	29.65874333	0.106361333	278.8489238
34	A22	29498	CG31171	24.96802	0.125382667	199.1345428
34	A23	24911	CG13338	30.10943333	0.117956	255.2598709
34	A24	29500	CG31198	30.42711667	0.116839333	260.4184379
34	B01		DIAP1	1.100546333	0.017248	63.80718537
34	B02		ex/ft	91.49054	0.147076	622.063015
34	B03		Luc	3.904601333	0.168706333	23.14436723
34	B04		hpo	78.86602333	0.185394667	425.3953188
34	B05	33557	CG12716	34.07280667	0.168924333	201.7045502
34	B06	34306	CG9916	29.74678333	0.189450333	157.0162628
34	B07	33573	CG12880	28.14088333	0.178534667	157.6213957
34	B08	33845	CG17974	23.09764667	0.176512333	130.8557098
34	B09	33581	CG12914	29.91394333	0.169205	176.7911311
34	B10	33853	CG18128	24.06755	0.152551667	157.766549
34	B11	33589	CG12975	29.49434667	0.165936	177.7453155
34	B12	33861	CG18265	12.64116667	0.145909333	86.63713539
34	B13	33613	CG13243	29.56476333	0.162351	182.1039805
34	B14	33869	CG18404	26.77151	0.130635	204.9336701
34	B15	33621	CG13314	29.98613	0.134771667	222.4958015
34	B16	33877	CG18554	27.94319333	0.129319333	216.0790086
34	B17	33629	CG13405	31.14123333	0.151294333	205.8321197
34	B18	33885	CG18764	28.56039667	0.121445	235.1714494
34	B19	33637	CG13463	28.94113667	0.131608667	219.9029699
34	B20	33893	CG1893	27.35214	0.120110667	227.7244874
34	B21	33565	CG12839	27.1447	0.133073333	203.9830169
34	B22	33838	CG17896	30.15356667	0.127660333	236.2015348
34	B23	33597	CG13074	28.05735333	0.107589667	260.7811159
34	B24	33902	CG2158	25.73540333	0.120726333	213.1714152
34	C01	23496	CG5755	48.34038667	0.218728333	221.0065149
34	C02	23212	CG3117	37.84065	0.159877	236.6860149
34	C03	23492	CG4969	31.13151333	0.180914667	172.0784385
34	C04	16757	CG10418	30.57805	0.15348	199.231496
34	C05	23491	CG4919	32.28069333	0.197742333	163.2462447
34	C06	19389	CG1874	50.34385	0.174045667	289.2565553
34	C07	23493	CG5640	23.65055667	0.172033333	137.4765937
34	C08	19394	CG2101	42.61618333	0.213431333	199.6716352
34	C09	23494	CG17924,CG5677	34.57541333	0.155604	222.2013144
34	C10	19441	CG1218,CG2046	36.88404667	0.155363333	237.4050934
34	C11	23536	CG5912	41.18809333	0.152023	270.9333018
34	C12	29511	CG31184	30.60783333	0.163080667	187.6852355
34	C13	24922	CG12679	40.06063333	0.141875	282.3656975
34	C14	29513	CG31208	33.29777	0.123842	268.8729995
34	C15	24921	CG12245	30.52894667	0.134129333	227.6082786
34	C16	29514	CG31229	25.63702667	0.191574667	133.8226349
34	C17	24928	CG12413	33.64273	0.152165667	221.0927783
34	C18	29515	CG31245	31.63039667	0.114069667	277.2901648
34	C19	24926	CG12330	33.23333667	0.134551333	246.9937372
34	C20	29516	CG31268	36.11523333	0.129913	277.9955303
34	C21	24919	CG12584	34.78529667	0.123333	282.0437082
34	C22	29510	CG31172	35.01158333	0.146056333	239.7128733
34	C23	24925	CG12290	38.22256667	0.114369667	334.2019591

34	C24	29512	CG31199	33.58562	0.113322	296.3733432
34	D01	33549	CG12524	41.02396667	0.228826333	179.2799197
34	D02	23535	CG5883	39.82573	0.197107333	202.0509807
34	D03	33605	CG13127	25.81982	0.156204333	165.2951583
34	D04	34309	CG9933	31.74248667	0.180846	175.5221938
34	D05	33558	CG12721	37.58856	0.168166667	223.5196829
34	D06	34307	CG9917	31.96638333	0.168845333	189.3234637
34	D07	33574	CG12898	32.68455	0.157867	207.0385198
34	D08	33846	CG17988	33.57946667	0.182406667	184.0912247
34	D09	33582	CG12931	32.86513667	0.188243	174.5888913
34	D10	33854	CG18144	32.26701667	0.169332	190.5547485
34	D11	33590	CG13012	28.42603667	0.156265	181.9091714
34	D12	33862	CG18269	34.77609667	0.169666333	204.9675736
34	D13	33614	CG13250	37.21307667	0.151876667	245.0216843
34	D14	33870	CG18410	32.85350667	0.117984	278.4573049
34	D15	33622	CG13319	32.67198667	0.152812333	213.8046449
34	D16	33878	CG18581	33.89065	0.156978667	215.8933486
34	D17	33630	CG13417	31.28194333	0.128603	243.2442737
34	D18	33886	CG18767	38.57392	0.12355	312.2130312
34	D19	33638	CG13467	31.77628667	0.147345333	215.6585889
34	D20	33894	CG1908	31.64622	0.147345667	214.7753695
34	D21	33566	CG12841	32.45462	0.115835333	280.1789322
34	D22	33839	CG17905	33.27739667	0.126520333	263.020147
34	D23	33598	CG13075	33.73569667	0.128958333	261.601525
34	D24	33903	CG2217	32.8427	0.103170667	318.3336995
34	E01	23555	CG5742	52.96248	0.189277667	279.8136776
34	E02	16740	CG10095	56.59322333	0.153463333	368.7735833
34	E03	23504	CG4971	46.01142667	0.153288	300.1632657
34	E04	16758	CG10528	46.37904	0.131844333	351.7712049
34	E05	23503	CG4927	55.78926333	0.149916	372.1368188
34	E06	19401	CG1888	45.89162333	0.133644667	343.3853702
34	E07	23474	CG5810	43.88521667	0.153612333	285.6881066
34	E08	19406	CG2144	49.02521333	0.126833	386.5335783
34	E09	23483	CG5715	46.98225	0.123018	381.9136224
34	E10	19407	CG2260	47.95620333	0.161556333	296.8388942
34	E11	23500	CG17367	29.97188667	0.136783667	219.1189006
34	E12	29523	CG31188	38.25384	0.124374	307.5710357
34	E13	24934	CG12690	48.35725667	0.132998	363.5938636
34	E14	29525	CG31218	42.71269	0.104340333	409.3593401
34	E15	24933	CG12250	38.00854667	0.104861667	362.4636903
34	E16	29526	CG31230	38.00848	0.095876333	396.4323486
34	E17	24940	CG12424	46.75848667	0.11189	417.8969226
34	E18	29527	CG31246	41.84939	0.095204	439.5759632
34	E19	24938	CG12344	45.48699667	0.108391667	419.6540017
34	E20	29528	CG31270	42.44355333	0.098453333	431.1032638
34	E21	24931	CG12589	42.73310333	0.094865	450.4622709
34	E22	29582	CG31181	56.85732	0.099156667	573.4089488
34	E23	24937	CG12297	54.95476333	0.082621	665.1428007
34	E24	29524	CG31200	40.70802667	0.092438	440.3819497
34	F01	33600	CG13083	63.67568	0.218366667	291.5998168
34	F02	NA	NA	46.70978	0.192737667	242.348996
34	F03	33606	CG13128	52.83433667	0.174425	302.905757
34	F04	34310	CG9940	59.31377	0.179997	329.5264366
34	F05	33559	CG12724	44.71612667	0.158542667	282.0447493

34	F06	34308	CG9922	51.29164667	0.147472333	347.8052154
34	F07	33575	CG12899	52.33214333	0.152564667	343.0161418
34	F08	33847	CG17991	41.18004	0.148491	277.3234741
34	F09	33583	CG12943	50.18108667	0.132630667	378.3520654
34	F10	33855	CG18173	36.79244667	0.137883	266.8381647
34	F11	33591	CG13025	50.44928	0.114787333	439.5021518
34	F12	33863	CG18316	44.99296333	0.106937667	420.7400885
34	F13	33615	CG13285	43.32097333	0.118965667	364.1468547
34	F14	33871	CG18418	37.68009667	0.102175667	368.7775954
34	F15	33623	CG13332	35.82462333	0.107086667	334.538598
34	F16	33879	CG18598	46.39235333	0.112714667	411.5910973
34	F17	33631	CG13434	51.99184	0.109030333	476.8566546
34	F18	33887	CG1877	9.154140333	0.065817	139.08474
34	F19	33639	CG13476	44.57953667	0.092914	479.7935367
34	F20	33895	CG1954	43.29353667	0.094357667	458.823731
34	F21	33567	CG12845	42.1535	0.110977667	379.8376851
34	F22	33840	CG17923	41.35842667	0.088165333	469.1007804
34	F23	33599	CG13082	44.50449333	0.101930667	436.6153464
34	F24	33904	CG2246	45.59599333	0.090485333	503.9047949
34	G01	23520	CG5787	39.03518667	0.167953	232.4173231
34	G02	16768	CG10332,CG30182	43.98117333	0.156029667	281.8769935
34	G03	23511	CG5873	35.42529667	0.150179667	235.8861053
34	G04	16813	CG10208	36.11481	0.1464	246.6858607
34	G05	23515	CG4933	32.06455667	0.199052	161.0863325
34	G06	19413	CG1896	30.72233333	0.142682333	215.319813
34	G07	23486	CG5811	30.93805667	0.155000333	199.5999363
34	G08	19418	CG2147	35.29733	0.127761	276.2762502
34	G09	23518	CG32096	36.29340333	0.141772	255.9983871
34	G10	NA	NA	39.23568667	0.128892667	304.4058881
34	G11	23512	CG5909	40.27161667	0.130604333	308.3482427
34	G12	29535	CG31189	33.94195	0.128369	264.4092421
34	G13	24946	CG12702	38.95231333	0.140144667	277.9436011
34	G14	29537	CG31219	36.52979667	0.122899	297.2342872
34	G15	24987	CG12398	34.15027333	0.117167333	291.4658238
34	G16	29538	CG31233	36.0459	0.098099333	367.442864
34	G17	24952	CG12433	39.18613667	0.128775	304.2992558
34	G18	29539	CG31249	33.56475667	0.133325667	251.7501506
34	G19	24918	CG12531	35.69717	0.099665667	358.169179
34	G20	29540	CG31272	31.02439667	0.100223	309.553662
34	G21	24968	CG12643	35.48009667	0.114839333	308.9542201
34	G22	29534	CG31174	34.69213	0.090023	385.3696278
34	G23	24949	CG12309	32.93449333	0.096281333	342.0651978
34	G24	29536	CG31201	37.71628	0.096438333	391.0922005
34	H01	33551	CG12586	43.17029	0.194635333	221.8008892
34	H02	23506	CG5675	33.25139333	0.195312333	170.2472791
34	H03	33607	CG1316	37.76359	0.152137667	248.2198579
34	H04	34311	CG9961	33.5222	0.165806667	202.1764304
34	H05	33560	CG12728	33.52232333	0.154347667	217.1871079
34	H06	34316	CG9992	35.2938	0.151927333	232.3071117
34	H07	33576	CG12900	36.08982667	0.147496667	244.6823205
34	H08	33848	CG18012	34.43941667	0.142374	241.8940022
34	H09	33584	CG12945	20.08202	0.106668667	188.2654075
34	H10	33856	CG18176	65.30096667	0.137574333	474.6595174
34	H11	33592	CG13033	32.80865	0.133624667	245.5283955

34	H12	33864	CG18317	32.10719333	0.118495	270.958212
34	H13	33616	CG13289	34.11591667	0.119617	285.2095995
34	H14	33872	CG18426	35.82576667	0.129116667	277.4681812
34	H15	33624	CG13362	26.17802	0.108033667	242.3135381
34	H16	33880	CG18609	32.77583	0.114586	286.0369504
34	H17	33632	CG13438	31.55177333	0.107802667	292.6808242
34	H18	33888	CG18779	34.13036333	0.110969	307.5666477
34	H19	33640	CG13488	28.30313667	0.107310333	263.7503378
34	H20	33896	CG1962	33.20564667	0.096358667	344.6046714
34	H21	33568	CG12857	36.00053	0.102612667	350.8390452
34	H22	33841	CG17927	30.15166333	0.110651	272.493365
34	H23	23517	CG5652	34.95350667	0.107246333	325.9179646
34	H24	33905	CG2723	34.19849	0.094973333	360.0851818
34	I01	23532	CG5789	33.85321333	0.168034	201.4664493
34	I02	16780	CG10342	39.26882333	0.184113	213.2865324
34	I03	23528	CG4989	39.59435	0.211290667	187.3928017
34	I04	16825	CG10209	29.52953667	0.173483667	170.2150827
34	I05	23527	CG4934	25.31040333	0.19178	131.9762401
34	I06	19425	CG1909	31.71217333	0.151442333	209.4009821
34	I07	23529	CG5655	34.77595	0.153623	226.3720276
34	I08	19430	CG2206	36.20212667	0.141790667	255.3209426
34	I09	23507	CG5724	34.31634667	0.163473	209.9205781
34	I10	NA	NA	32.71473333	0.150049667	218.0260314
34	I11	24939	CG12375	36.02940667	0.137407	262.2093974
34	I12	29547	CG31192	28.58986667	0.125415333	227.9614933
34	I13	24958	CG13308	28.54838	0.134024	213.009461
34	I14	29549	CG31222	32.78544	0.134267	244.1809231
34	I15	24957	CG12256	30.59364	0.148513333	205.9992818
34	I16	29550	CG31237	15.52325333	0.080808333	192.0996597
34	I17	25002	CG12582	42.77450667	0.120725333	354.3125994
34	I18	29551	CG31251	36.54208333	0.114394667	319.4386976
34	I19	24962	CG12350	28.50669	0.108208667	263.4418377
34	I20	29552	CG31278	35.77732333	0.125034	286.1407564
34	I21	24965	CG12492	35.96019667	0.1137	316.272618
34	I22	29546	CG31176	31.67366	0.110187667	287.4519532
34	I23	24961	CG12313	32.52710333	0.109627667	296.7052417
34	I24	29548	CG31202	31.78615333	0.120664333	263.4262541
34	J01	33552	CG12644	39.18287	0.167947	233.3049712
34	J02	23530	CG5685	30.37308333	0.199274333	152.4184416
34	J03	33608	CG13162	35.24783333	0.194715	181.0226913
34	J04	34312	CG9965	33.38785333	0.211488	157.8711479
34	J05	33561	CG12732	26.71348667	0.174775	152.8450103
34	J06	33910	CG2948	29.03791667	0.145261667	199.9007538
34	J07	33577	CG12901	25.89102	0.168638333	153.5298617
34	J08	33849	CG1804	32.48096	0.151780667	213.9993236
34	J09	33585	CG12946	29.70808	0.152739667	194.5014065
34	J10	33857	CG18210	28.90617333	0.160994333	179.5477688
34	J11	33593	CG13036	30.03311	0.132645667	226.4160659
34	J12	33865	CG18327	29.54102	0.135733	217.6406622
34	J13	33617	CG1331	35.32198333	0.138811333	254.4603707
34	J14	33873	CG18446	30.40959333	0.142250667	213.7746982
34	J15	33625	CG13364	43.43783667	0.124809667	348.032631
34	J16	33881	CG18619	30.48745333	0.120594333	252.8099994
34	J17	33633	CG13443	31.13257667	0.126132	246.8253628

34	J18	33889	CG18806	25.10347	0.111158667	225.8345728
34	J19	33641	CG13491	30.40834333	0.119461667	254.5447773
34	J20	33897	CG1968	24.92416	0.111132667	224.2739309
34	J21	33569	CG12865	29.60628	0.115094333	257.2349059
34	J22	33842	CG17928	25.75806667	0.117964333	218.3547004
34	J23	23480	CG31380	31.05484333	0.110215333	281.7651809
34	J24	33906	CG2909	28.64718	0.105309	272.029741
34	K02	16812	CG10157	19.39373667	0.180895667	107.2095149
34	K03	23540	CG4991	30.88208	0.173194333	178.3088361
34	K04	19381	CG1942	27.53582333	0.178402	154.3470552
34	K05	23539	CG4938	34.52383667	0.170097333	202.9651846
34	K06	NA	NA	24.8791	0.156819	158.6485056
34	K07	23510	CG5828	27.54281	0.151070333	182.3177946
34	K08	19442	CG2207	24.53136333	0.194011	126.443157
34	K09	23546	CG5836	28.47917333	0.155906	182.6688731
34	K1	23544	CG5796	21.00831333	0.166450333	126.2137054
34	K10	19443	CG2310	25.22113667	0.158791	158.8322806
34	K11	24955	CG12622	30.15267	0.156465	192.7119164
34	K12	29559	CG31193	26.74103667	0.129611333	206.3171173
34	K13	24970	CG13315	24.59690667	0.134145667	183.3596811
34	K14	29561	CG31223	26.45609	0.131511667	201.1691485
34	K15	24969	CG12259	29.80776667	0.129453667	230.2581876
34	K16	29562	CG31238	24.12258	0.116358667	207.3122758
34	K17	24976	CG12446	28.07608	0.124033667	226.3585424
34	K18	29563	CG31262	24.48928333	0.113296333	216.1524792
34	K19	24942	CG12540	29.12463333	0.115848667	251.4024043
34	K20	29564	CG31279	27.07929333	0.127298667	212.7225213
34	K21	24977	CG12498	28.61319667	0.11331	252.521372
34	K22	29558	CG31178	26.85808667	0.096185333	279.2326619
34	K23	24992	CG12653	32.11276333	0.118494667	271.0059806
34	K24	29584	CG31206	27.96175	0.111487333	250.8065191
34	L01	33553	CG12654	35.36769667	0.2148	164.6540813
34	L02	23558	CG5837	28.85318333	0.194785667	148.1278568
34	L03	33609	CG13171	30.57552333	0.181651333	168.3198398
34	L04	34313	CG9969	27.41860667	0.175929	155.8504094
34	L05	33562	CG12814	22.63944333	0.16342	138.5353282
34	L06	33911	CG2955	26.9459	0.167403667	160.9636189
34	L07	33578	CG12906	25.78156333	0.158175667	162.9932333
34	L08	33850	CG18048	25.57481667	0.170818333	149.71939
34	L09	33586	CG12950	28.55245667	0.147110333	194.0887225
34	L10	33858	CG18231	24.03519	0.143258667	167.774771
34	L11	33594	CG13048	25.98083667	0.117881333	220.3982253
34	L12	33866	CG18348	27.4229	0.138892333	197.4399835
34	L13	33618	CG13311	27.19202667	0.146324	185.8343585
34	L14	33874	CG18471	31.37960333	0.136267667	230.2791565
34	L15	33626	CG13365	24.70886333	0.136332	181.2403789
34	L16	33882	CG18622	29.25812	0.116796333	250.5054668
34	L17	33634	CG13446	30.59264667	0.127571	239.8087862
34	L18	33890	CG18815	26.96783333	0.131185667	205.5699683
34	L19	33642	CG13493	25.02528	0.115389	216.8775187
34	L20	33898	CG1983	25.89738667	0.123077667	210.4149954
34	L21	33570	CG12872	30.04005333	0.119647	251.0723489
34	L22	33843	CG17932	25.69909	0.117486	218.7417224
34	L23	23564	CG5637	33.58555	0.113927	294.7988624

34	L24	33907	CG2924	25.02028333	0.100121667	249.8987898
34	M01	23556	CG5799	27.80810667	0.203318333	136.77127
34	M02	16824	CG10165	55.43405	0.192591667	287.832028
34	M03	23547	CG5893	28.60835333	0.155957333	183.4370512
34	M04	19417	CG1989	41.81150667	0.189853333	220.2305639
34	M05	23551	CG4950	29.44462667	0.149846	196.4992503
34	M06	19449	CG1140,CG1927	28.54433667	0.147446	193.5918008
34	M07	23522	CG5830	17.88167	0.126312333	141.5670943
34	M08	19429	CG2042	30.66927	0.144298333	212.5407085
34	M09	23554	CG5688	24.02564333	0.142623667	168.4548147
34	M10	19455	CG2336	25.00932333	0.133378667	187.5061729
34	M11	24963	CG12390	38.29665333	0.136010667	281.5709552
34	M12	29571	CG31195	26.38002667	0.141403667	186.5582929
34	M13	24932	CG12637	28.82977667	0.132729	217.2078194
34	M14	29573	CG31225	28.03325333	0.115981333	241.704872
34	M15	24981	CG33213	28.17951667	0.120462667	233.9273855
34	M16	29574	CG31240	24.06113	0.115087333	209.0684466
34	M17	24988	CG12455	30.86882	0.112066667	275.4505057
34	M18	29575	CG31263	28.72294667	0.10406	276.0229355
34	M19	24986	CG12361	25.09666	0.120568333	208.1529976
34	M20	29557	CG31158	19.58906333	0.12284	159.4681157
34	M21	24989	CG12499	36.08259667	0.153866333	234.5061189
34	M22	29570	CG31179	27.29643333	0.114864667	237.6399473
34	M23	24985	CG33121	27.31643333	0.100641	271.4245023
34	M24	29572	CG31205	29.42749667	0.114174	257.7425392
34	N01	33554	CG12662	36.59632667	0.239103667	153.0563173
34	N02	23499	CG5863	26.44327333	0.192809	137.1475052
34	N03	33556	CG12681	30.29580333	0.179801	168.4963005
34	N04	34314	CG9972	41.32626	0.190179	217.3019103
34	N05	33563	CG12816	26.99813	0.152680333	176.8278167
34	N06	33912	CG2958	29.79550667	0.146146667	203.8740078
34	N07	33579	CG12907	29.67142	0.137651	215.5554264
34	N08	33851	CG18087	33.61864667	0.153785667	218.6071524
34	N09	33587	CG12953	45.28981667	0.130926	345.9191961
34	N10	33859	CG18249	29.28283333	0.137174667	213.4711463
34	N11	33595	CG13050	26.17832667	0.128674	203.446902
34	N12	33867	CG18371	27.63736333	0.130888667	211.1516913
34	N13	33619	CG13312	30.94949667	0.133326667	232.1328316
34	N14	33875	CG18536	24.31812333	0.123026333	197.666001
34	N15	33627	CG1338	25.37878333	0.126112667	201.2389715
34	N16	33883	CG18631	28.03105333	0.131866667	212.571183
34	N17	33635	CG13449	27.64957333	0.124684333	221.756596
34	N18	33891	CG1884	57.7325	0.150642	383.2430531
34	N19	33643	CG13565	25.15207333	0.124615333	201.8377086
34	N20	33899	CG2095	23.04775	0.112408333	205.0359552
34	N21	33571	CG12873	25.92021333	0.118442	218.8430906
34	N22	33844	CG17952	25.00834	0.115107	217.2616783
34	N23	23545	CG4815	30.41784333	0.111223333	273.4843708
34	N24	33908	CG2928	25.67756	0.103542667	247.9901361
34	O01	23538	CG4908	37.8175	0.203109333	186.1928223
34	O02	16814	CG10306	46.30903333	0.215052667	215.3381032
34	O03	23550	CG4914	27.97743	0.144982667	192.9708609
34	O04	NA	NA	45.75674333	0.187853333	243.5769572
34	O05	23560	CG5916	33.09144	0.163669	202.185142

34	O06	19461	CG30337	30.99371667	0.208765	148.4622263
34	O07	23565	CG5662	32.17157	0.174153	184.731644
34	O08	19466	CG2247	31.27432667	0.159093	196.5788983
34	O09	23566	CG5707	33.55618667	0.163016667	205.8451283
34	O10	29581	CG31164	29.88653667	0.140728333	212.37043
34	O11	24975	CG12395	30.87509	0.150181333	205.5854034
34	O12	29583	CG31196	31.56675667	0.166586333	189.4918751
34	O13	24956	CG12640	40.98462667	0.155954333	262.7988963
34	O14	29585	CG31226	29.17605	0.134020333	217.6986825
34	O15	24993	CG12272	28.75036	0.121785	236.0747218
34	O16	29586	CG31241	29.94358	0.145805667	205.3663666
34	O17	25003	CG12630	29.97771	0.135171	221.7761946
34	O18	29587	CG31265	28.67834333	0.134866333	212.6427154
34	O19	24966	CG12548	32.49171333	0.132930667	244.4260166
34	O20	29569	CG31161	34.50221667	0.115629	298.387227
34	O21		wts	115.9708333	0.09591	1209.163104
34	O22		HFA17794	2.714212667	0.015089	179.8802218
34	O23		hpo	83.54895667	0.097953	852.9494417
34	O24		Luc	4.161814667	0.109598667	37.97322352
34	P01	33555	CG12680	39.60459333	0.249372	158.8173224
34	P02	23498	CG5819	38.89806	0.234372	165.9671804
34	P03	33612	CG1324	30.89238667	0.191202667	161.5688066
34	P04	34315	CG9983	23.02721667	0.833773667	27.61806661
34	P05	33564	CG12818	39.01542333	0.18953	205.85355
34	P06	33913	CG2962	27.13132333	0.179442667	151.197727
34	P07	33580	CG12913	32.87555667	0.179636333	183.011733
34	P08	33852	CG18105	34.31884	0.188487667	182.0747246
34	P09	33588	CG12958	30.69741667	0.157160333	195.3254744
34	P10	33860	CG18258	28.80111	0.161763667	178.0443693
34	P11	33596	CG13071	31.36978	0.153991333	203.7113344
34	P12	33868	CG1838	25.30955	0.130464667	193.9954368
34	P13	33620	CG13313	27.40671	0.144050667	190.2574326
34	P14	33876	CG18548	24.6345	0.116752333	210.9979244
34	P15	33628	CG13385	28.78318	0.145149	198.3009184
34	P16	33884	CG1865	24.32758667	0.129055333	188.5050857
34	P17	33636	CG13462	27.14242667	0.128314333	211.5307461
34	P18	33892	CG1889	26.97969	0.120779333	223.3800209
34	P19	33644	CG1359	31.67534333	0.131424667	241.0152077
34	P20	33900	CG2124	28.27060667	0.117579667	240.4378875
34	P21		wts	104.6438233	0.116134	901.0610444
34	P22		HFA17794	2.158939	0.015142333	142.5763753
34	P23		hpo	71.62451667	0.097313	736.02208
34	P24		Luc	3.486695667	0.110495333	31.55513958
35	A01		DIAP1	1.261724	0.014753333	85.52128333
35	A02		ex/ft	100.09629	0.154420667	648.2052705
35	A03		Luc	4.2218	0.139612333	30.23944876
35	A04		hpo	81.33477	0.132255667	614.9813619
35	A05	33914	CG2964	27.63643667	0.150784667	183.2841315
35	A06	34413	CG14330	31.80433	0.135264	235.1278241
35	A07	34325	CG10975	36.70885667	0.157143667	233.6006118
35	A08	34429	CG15394	26.93396333	0.140973333	191.0571503
35	A09	34389	CG14127	28.43737	0.151121	188.1761635
35	A10	34469	CG17843	29.44713333	0.139178667	211.5779238
35	A11	34397	CG14149	29.5207	0.140008	210.8500943

35	A12	34485	CG32271	27.83746	0.135029333	206.1586124
35	A13	34405	CG14277	32.42726333	0.142311	227.8619596
35	A14	34493	CG32459	26.98311667	0.113268333	238.2229514
35	A15	34317	CG10244	28.32368667	0.1258	225.1485427
35	A16	34421	CG14619	21.62829333	0.144946	149.2162139
35	A17	34333	CG11621	14.86556	0.100042	148.5931909
35	A18	34461	CG17612	31.45731	0.110029333	285.8993056
35	A19	34341	CG12232	27.88050333	0.115109333	242.2088855
35	A20	34501	CG3701	30.64492	0.115760667	264.7265335
35	A21	34365	CG14006	26.92375	0.116188333	231.7250728
35	A22	34437	CG16993	34.14864667	0.109307667	312.4085227
35	A23	34373	CG14060	33.90858	0.124728	271.8602078
35	A24	34509	CG40335	30.54340333	0.111214333	274.6354936
35	B01		DIAP1	1.031512667	0.014349333	71.88575544
35	B02		ex/ft	89.70356667	0.157147667	570.8234081
35	B03		Luc	4.366751	0.205674	21.23141963
35	B04		hpo	84.23660333	0.137745	611.540189
35	B05	33125	CG1674	32.47386667	0.180290667	180.1195107
35	B06	34593	CG11221	42.21773333	0.156294333	270.1168522
35	B07	33133	CG17191	32.11156	0.164967667	194.6536594
35	B08	34601	CG13337	35.22793667	0.148445667	237.3119907
35	B09	33141	CG17523	31.93470333	0.152961333	208.7763138
35	B10	34617	CG2233	32.63101	0.144022	226.5696213
35	B11	33119	CG15883	24.99722667	0.163584333	152.8094174
35	B12	34633	CG33070	32.33836333	0.149997667	215.5924425
35	B13	34565	CG7936	33.91921667	0.131254	258.4242512
35	B14	34641	CG3651	26.52135667	0.114228667	232.1777662
35	B15	34517	CG4269	29.36844	0.131508333	223.3199924
35	B16	34649	CG5664	36.87039	0.118048667	312.3321173
35	B17	34525	CG4597	32.32646667	0.122559333	263.7617698
35	B18	34657	CG6703	28.46298333	0.125424667	226.9329
35	B19	34573	CG8248	32.34228	0.116098	278.5774087
35	B20	34673	CG8516	24.28787333	0.11559	210.120887
35	B21	34533	CG5375	26.55734667	0.113544667	233.893387
35	B22	34625	CG32306	29.89053333	0.108372	275.8141709
35	B23	34557	CG7296	33.93432667	0.10891	311.5813669
35	B24	34588	CG11049	31.51657	0.096385	326.986253
35	C01	33917	CG30007	55.90571	0.289289667	193.2516659
35	C02	34412	CG14327	32.55388667	0.131493333	247.5706246
35	C03	33925	CG3019	40.31396333	0.142356667	283.1898518
35	C04	34453	CG17325	35.56380333	0.159105333	223.5236405
35	C05	33915	CG2973	27.4377	0.184944667	148.3562651
35	C06	34414	CG14331	35.50359	0.151181	234.8416137
35	C07	34326	CG11027	9.313329	0.159737333	58.30402202
35	C08	34430	CG15396	31.3601	0.127404333	246.1462588
35	C09	34390	CG14129	6.510775333	0.071829667	90.64187035
35	C10	34470	CG17849	33.76954667	0.135134333	249.8961281
35	C11	34398	CG14151	33.36660667	0.130892667	254.9157834
35	C12	34486	CG32280	34.30094	0.138174333	248.2439334
35	C13	34406	CG14280	37.88767667	0.125646667	301.541439
35	C14	34494	CG3250	32.11638667	0.135344667	237.2933301
35	C15	34318	CG10376	32.74242333	0.116804	280.3193669
35	C16	34422	CG14895	41.72400333	0.107047333	389.7715341
35	C17	34334	CG12069	32.53482667	0.125854	258.5124562

35	C18	34462	CG17623	33.42947333	0.094815	352.5757879
35	C19	34342	CG12252	32.16996333	0.109012667	295.102985
35	C20	34502	CG3779	31.6718	0.101885333	310.8573036
35	C21	34366	CG14007	31.99110333	0.117716667	271.7635849
35	C22	34438	CG17028	36.45737667	0.108303	336.6238855
35	C23	34374	CG14067	33.22943	0.132219667	251.3198742
35	C24	34510	CG40342	31.62399333	0.096245667	328.5757627
35	D01	33157	CG18243	51.18903	0.216114	236.8612399
35	D02	34609	CG15138	37.58257333	0.173246667	216.931004
35	D03	33149	CG17941	37.68898	0.170944333	220.4751644
35	D04	34665	CG7994	30.15817	0.196383667	153.5676083
35	D05	33126	CG16766	31.01729667	0.175071667	177.1691403
35	D06	34594	CG11628	24.96497	0.15124	165.0685665
35	D07	33134	CG17192	30.67502333	0.17072	179.6803147
35	D08	34602	CG13422	36.66837	0.155506333	235.7998495
35	D09	33142	CG1756	35.39743667	0.148812	237.8668163
35	D10	34618	CG30084	20.85319667	0.120324	173.3087054
35	D11	33120	CG15904	29.20895333	0.144836667	201.668224
35	D12	34634	CG33111	34.11728	0.122242333	279.0954579
35	D13	34566	CG7939	4.758497667	0.16635	28.60533614
35	D14	34642	CG3821	31.40785667	0.147550333	212.8619838
35	D15	34518	CG4281	29.64155	0.10972	270.156307
35	D16	34650	CG5681	40.41561333	0.116015333	348.3644116
35	D17	34526	CG4763	31.18994	0.115772667	269.4067684
35	D18	34658	CG6720	29.88239333	0.134766667	221.7343062
35	D19	34584	CG9836	23.27054	0.108120333	215.2281563
35	D20	34674	CG8661	32.53822333	0.112834667	288.3708021
35	D21	34556	CG7266	34.97315667	0.107223333	326.1711381
35	D22	34626	CG32332	28.76478667	0.106911667	269.0518964
35	D23	34558	CG7299	33.5052	0.104896333	319.4124993
35	D24	34589	CG11068	34.37072333	0.096757	355.2272532
35	E01	33918	CG3001	37.96808667	0.160165	237.0560776
35	E02	34445	CG17174	51.76070667	0.161939333	319.6302319
35	E03	33926	CG3021	37.43914333	0.145728	256.9111175
35	E04	34454	CG17344	52.69296667	0.131817	399.743331
35	E05	33916	CG2990	47.84667	0.131888333	362.7816714
35	E06	34415	CG14332	47.78643667	0.120354	397.049011
35	E07	34327	CG11033	39.27907667	0.118259	332.144502
35	E08	34431	CG15411	43.41317667	0.115094667	377.1953812
35	E09	34391	CG14131	46.09710333	0.160763333	286.7389123
35	E10	34471	CG18624	53.99538667	0.157802	342.1717511
35	E11	34399	CG14162	41.95924	0.115502333	363.2761243
35	E12	34487	CG32320	48.21610667	0.108385333	444.8582219
35	E13	34407	CG14297	49.06308333	0.126367333	388.2576457
35	E14	34495	CG32793	35.37248	0.115069333	307.4014507
35	E15	34319	CG10426	44.25047333	0.094083	470.334421
35	E16	34423	CG15069	43.45820333	0.089591	485.0733147
35	E17	34335	CG12123	43.29052	0.089396333	484.2538657
35	E18	34463	CG17669	35.36177333	0.101004667	350.1003914
35	E19	34343	CG13062	36.23325333	0.108752333	333.1721925
35	E20	34503	CG3961	38.47149	0.108779	353.6665165
35	E21	34367	CG14011	43.41615	0.097649333	444.6128664
35	E22	34439	CG17042	35.22369	0.086683	406.3506108
35	E23	34375	CG14068	39.86609	0.086766333	459.4649614

35	E24	34511	CG4074	37.15228667	0.087507333	424.5619796
35	F01	33156	CG1824	60.20894333	0.169913333	354.3509044
35	F02	34610	CG15326	49.31333667	0.150708	327.2111412
35	F03	33150	CG18000	34.95299667	0.166568333	209.8417867
35	F04	34666	CG8004	46.14021	0.139781667	330.0877082
35	F05	33127	CG16812	49.22167333	0.140303	350.8240974
35	F06	34595	CG11648	43.25786667	0.139327667	310.4757849
35	F07	33135	CG17224	37.85536667	0.180886667	209.276711
35	F08	34603	CG13475	41.94602	0.134734	311.3246842
35	F09	33143	CG17726	36.45446	0.121262667	300.6239348
35	F10	34619	CG30418	38.32944667	0.117668333	325.7413918
35	F11	33121	CG1643	48.03444667	0.115542	415.73148
35	F12	34635	CG33208	38.46724	0.098019	392.4467705
35	F13	34567	CG7945	45.41865667	0.116366667	390.3064165
35	F14	34643	CG4218	41.52906333	0.102870667	403.7017031
35	F15	34519	CG4336	48.89826333	0.113117667	432.2778641
35	F16	34651	CG5721	47.63068333	0.113999333	417.8154551
35	F17	34527	CG4788	47.15634333	0.098178667	480.3115069
35	F18	34659	CG6923	38.65907667	0.091851	420.8890123
35	F19	34575	CG8327	36.28303	0.095921	378.2595052
35	F20	34675	CG8773	43.42827	0.093935333	462.3209229
35	F21	34535	CG5399	40.31216	0.102933667	391.6324105
35	F22	34627	CG3239	36.94054667	0.095410667	387.1741804
35	F23	34559	CG7363	35.96249333	0.089750333	400.6948164
35	F24	34590	CG11169	39.46017	0.088917333	443.7849013
35	G01	33919	CG30017	35.79411333	0.124161	288.287895
35	G02	34446	CG17177	36.99854667	0.146417	252.6929705
35	G03	33927	CG30217	43.84948667	0.133450667	328.5819978
35	G04	34478	CG32055	37.68604667	0.143260333	263.059884
35	G05	33932	CG3090	38.34819	0.123775667	309.8201047
35	G06	34416	CG14343	37.13195667	0.133261667	278.6394437
35	G07	34328	CG11420	32.30533667	0.137575667	234.8186816
35	G08	34432	CG15414	34.86304333	0.132169667	263.7749206
35	G09	34392	CG14132	39.53672333	0.126302333	313.0324064
35	G10	34472	CG2471	31.06119333	0.104044333	298.5380591
35	G11	34400	CG14163	38.08314667	0.114842667	331.6114801
35	G12	34488	CG32350	49.47634	0.137417333	360.0443903
35	G13	34408	CG14305	33.52942	0.096245	348.3757078
35	G14	34496	CG33193	56.57185	0.099305667	569.673936
35	G15	34320	CG10493	40.41476667	0.109334667	369.6427483
35	G16	34424	CG15072	41.37974	0.107665667	384.3355201
35	G17	34336	CG12135	36.48322333	0.142916	255.277389
35	G18	34464	CG17681	37.74869	0.100563667	375.3710585
35	G19	34344	CG13375	29.42478667	0.092359	318.5914385
35	G20	34504	CG3979	29.29300333	0.096900333	302.3003361
35	G21	34368	CG14035	31.49284	0.095610667	329.3862609
35	G22	34440	CG17047	29.09284333	0.082065333	354.5083186
35	G23	34376	CG14072	30.26362667	0.090641	333.8845188
35	G24	34512	CG4090	38.24375667	0.086411333	442.5780183
35	H01	33159	CG18340	45.40954667	0.153761	295.325516
35	H02	34616	CG2086	44.42266667	0.163803	271.1956842
35	H03	33151	CG1806	31.61998667	0.158115667	199.980099
35	H04	34632	CG32859	36.37415667	0.161518	225.2018764
35	H05	33128	CG16852	33.73715333	0.152916667	220.624436

35	H06	34596	CG12497	37.30237333	0.127779	291.928825
35	H07	33136	CG17300	38.87928333	0.143846667	270.2828243
35	H08	34604	CG13490	34.36743667	0.146745	234.1983486
35	H09	33144	CG1776	35.06770333	0.119898333	292.4786555
35	H10	34620	CG31531	32.96811667	0.125828333	262.0086891
35	H11	33122	CG1651	31.21226667	0.113654333	274.6245194
35	H12	34636	CG33209	30.60088	0.105563	289.8826293
35	H13	34568	CG7955	32.01364667	0.120867333	264.8659963
35	H14	34644	CG4494	26.27726	0.471091667	55.77950505
35	H15	34520	CG4346	36.11370667	0.126585333	285.2913976
35	H16	34652	CG6013	29.1529	0.123695333	235.6831031
35	H17	34528	CG4983	33.26508667	0.090790667	366.3932416
35	H18	34660	CG6944	37.09935667	0.077408	479.2703166
35	H19	34576	CG8409	28.18643	0.095721	294.4644331
35	H20	34676	CG8861	38.61055667	0.084327667	457.8634533
35	H21	34536	CG5597	32.20514	0.100572	320.2197431
35	H22	34628	CG32423	39.49369333	0.126189667	312.9708983
35	H23	34564	CG7863	38.56877333	0.093095	414.2947885
35	H24	34591	CG11176	62.06412333	0.092063	674.1483911
35	I01	33920	CG30029	40.70403333	0.165502667	245.9418579
35	I02	34447	CG17208	39.05774	0.163914	238.2819039
35	I03	33928	CG3032	40.92081333	0.164521667	248.7259834
35	I04	34456	CG17379	33.93708	0.156292333	217.1384819
35	I05	34349	CG13947	33.31973333	0.138981667	239.7419324
35	I06	34417	CG14356	30.42810667	0.167816667	181.3175489
35	I07	34329	CG11425	29.97814	0.148916333	201.3086095
35	I08	34433	CG15425	29.74225667	0.155228667	191.6028612
35	I09	34393	CG14133	31.76335	0.140668667	225.8025952
35	I10	34473	CG2713	32.15780667	0.147039667	218.7015749
35	I11	34401	CG14217	47.88591	0.131206667	364.9655251
35	I12	34489	CG32353	37.40531667	0.129427	289.0070593
35	I13	34409	CG14315	32.41619	0.120480667	269.0571931
35	I14	34497	CG3330	31.26692667	0.126721	246.7383201
35	I15	34321	CG10637	28.26092333	0.100444333	281.3590612
35	I16	34425	CG15292	31.63665	0.111682333	283.2735407
35	I17	34337	CG12156	31.05198	0.114808333	270.4679974
35	I18	34465	CG17738	35.21979333	0.11708	300.818187
35	I19	34345	CG13527	36.54157	0.120847	302.378793
35	I20	34505	CG40279	29.40754667	0.101571	289.5269975
35	I21	34384	CG14113	35.80110667	0.115570333	309.7776534
35	I22	34441	CG17050	32.10461	0.121073667	265.1659183
35	I23	34360	CG13989	24.69216333	0.118604667	208.1888009
35	I24	34513	CG4170	22.99736667	0.103353667	222.5113768
35	J01	33160	CG1835	36.21682	0.163397	221.6492347
35	J02	34612	CG17299	22.45878667	0.221123	101.5669409
35	J03	33164	CG18482	34.74737	0.16539	210.0935365
35	J04	34668	CG8141	34.99339	0.157997667	221.4804227
35	J05	33129	CG1701	30.87763333	0.170459667	181.1433399
35	J06	34597	CG12787	29.55335	0.145740667	202.7803953
35	J07	33137	CG17385	32.83263667	0.182483667	179.920961
35	J08	34605	CG13762	29.61788667	0.151595333	195.3746597
35	J09	33145	CG17780	35.10056	0.132613667	264.6828256
35	J10	34621	CG31753	28.69997	0.189678	151.3089025
35	J11	33123	CG1660	35.81977333	0.139775	256.2673821

35	J12	34637	CG3371	36.84573667	0.149493	246.4713175
35	J13	34569	CG8120	34.25954	0.130135	263.2615361
35	J14	34645	CG4631	32.70770333	0.118209	276.6938502
35	J15	34521	CG4360	12.21997333	0.193690667	63.09015062
35	J16	34653	CG6074	36.52280667	0.126091	289.6543502
35	J17	34541	CG5922	30.97455	0.106961333	289.5864238
35	J18	34661	CG6964	36.23568333	0.121431667	298.4039034
35	J19	34577	CG8502	32.90276	0.107914333	304.8970325
35	J20	34677	CG8927	31.33788667	0.108064	289.9937691
35	J21	34537	CG5691	25.00817	0.079267667	315.4901746
35	J22	34672	CG8427	25.06751667	0.172202333	145.5701336
35	J23	34585	CG10261	31.83492667	0.097283333	327.2392667
35	J24	34592	CG11213	32.96113667	0.089248	369.3207317
35	K02	34451	CG17270	32.35119667	0.136276667	237.3935132
35	K03	33929	CG30364	27.63795667	0.167034	165.4630594
35	K04	34457	CG17382	28.88376667	0.162354	177.9060982
35	K05	34350	CG13948	27.23514	0.175658333	155.0461028
35	K06	34418	CG14365	20.57632	0.158417333	129.8867969
35	K07	34330	CG11437	25.20213333	0.140286667	179.6473887
35	K08	34434	CG15611	27.55329667	0.142607	193.2113898
35	K09	34394	CG14135	27.39794	0.136047	201.3858446
35	K1	33921	CG30053	24.11525333	0.133045	181.2563669
35	K10	34474	CG3092	24.29233333	0.145016667	167.5140788
35	K11	34402	CG14238	26.50964667	0.128788667	205.8383502
35	K12	34490	CG32397	29.48999	0.134069	219.9612886
35	K13	34410	CG14317	24.66785667	0.129317	190.7549407
35	K14	34498	CG3598	26.72953667	0.118433333	225.6926822
35	K15	34322	CG10673	29.968	0.130179	230.2061008
35	K16	34426	CG15351	20.97470333	0.144088333	145.5683666
35	K17	34381	CG14089	30.08457	0.115644	260.148127
35	K18	34466	CG17745	26.81322667	0.103145667	259.9549504
35	K19	34357	CG13984	30.35529667	0.119880333	253.2133155
35	K20	34506	CG40280	29.45738	0.10864	271.1467231
35	K21	34385	CG14116	27.09066667	0.124707	217.2345311
35	K22	34483	CG32251	25.57272667	0.115173	222.0375146
35	K23	34378	CG14082	34.20777333	0.108332667	315.7660047
35	K24	34516	CG4252	31.50557333	0.115053333	273.8345115
35	L01	33161	CG18356	37.24054	0.155563	239.3920148
35	L02	34613	CG17598	27.73253667	0.179925667	154.1332995
35	L03	33153	CG18135	28.12460333	0.176084667	159.7220466
35	L04	34669	CG8216	31.62662	0.176152333	179.5413061
35	L05	33130	CG17078	29.44588667	0.158479333	185.8026914
35	L06	34598	CG13004	32.23841333	0.153728667	209.7098351
35	L07	33138	CG17388	26.41007333	0.139036333	189.9508761
35	L08	34606	CG13957	28.3496	0.163573667	173.3139605
35	L09	33146	CG17802	35.72104667	0.131312	272.0318529
35	L10	34622	CG31999	31.41211	0.127557	246.2593978
35	L11	33124	CG16735	28.30609333	0.137394333	206.0208208
35	L12	34638	CG3460	39.07429	0.192451333	203.0346546
35	L13	34570	CG8180	29.55681	0.118212667	250.0308202
35	L14	34646	CG4892	39.24233	0.106285333	369.2167938
35	L15	34522	CG4429	35.32834	0.118188333	298.915629
35	L16	34654	CG6189	27.89596667	0.136848333	203.8458634
35	L17	34542	CG6353	31.94704333	0.130222	245.3275432

35	L18	34662	CG7004	27.98997667	0.115561333	242.2088415
35	L19	34578	CG8505	26.38186	0.111376333	236.8713281
35	L20	34678	CG9028	35.91098333	0.165087667	217.5267484
35	L21	34551	CG6685	34.79649667	0.110125667	315.9708152
35	L22	34630	CG32704	26.64912667	0.11756	226.6853238
35	L23	34586	CG10943	29.31603	0.104104667	281.6014972
35	L24	34693	CG10019	30.55177	0.099404333	307.3484724
35	M01	33922	CG3008	32.46659667	0.176386667	184.0649142
35	M02	34449	CG17244	31.96315333	0.156898333	203.7188838
35	M03	33924	CG30152	28.36911	0.153931667	184.2967767
35	M04	34458	CG17470	28.23766667	0.139217333	202.831544
35	M05	34351	CG13961	23.75064333	0.151482	156.7885513
35	M06	34419	CG14368	28.48181333	0.150543667	189.1930359
35	M07	34331	CG11462	25.54399333	0.145600333	175.439113
35	M08	34435	CG16960	26.75446667	0.148329	180.3724603
35	M09	34395	CG14137	24.66027667	0.128277667	192.2413878
35	M10	34475	CG31081	22.13316667	0.110461333	200.3702653
35	M11	34403	CG14269	23.93845	0.133414333	179.4293717
35	M12	34491	CG32417	27.90329	0.140379333	198.7706405
35	M13	34411	CG14323	23.64904	0.130741333	180.8841886
35	M14	34499	CG3695	19.94496	0.105107667	189.7574233
35	M15	34364	CG14004	26.59346333	0.118029333	225.3123235
35	M16	34427	CG15379	22.27791333	0.124114333	179.4950892
35	M17	34382	CG14095	23.65631	0.116525333	203.0143088
35	M18	34467	CG17776	23.22037	0.105590333	219.9099981
35	M19	34347	CG13931	23.88121333	0.104719667	228.0489816
35	M20	34507	CG40291	23.73493667	0.118028	201.0958134
35	M21	34386	CG14120	25.2794	0.110948667	227.8477134
35	M22	34443	CG17127	27.03899	0.104241667	259.387545
35	M23	34379	CG14086	29.76471667	0.102448667	290.5329824
35	M24	34515	CG4250	28.08825333	0.114046667	246.2873677
35	N01	33162	CG18368	23.40313	0.214743	108.982039
35	N02	34614	CG18011	28.68049	0.201719	142.1804094
35	N03	33154	CG18166	26.36523667	0.182370333	144.5697674
35	N04	34670	CG8239	30.82942333	0.202652	152.1298745
35	N05	33131	CG17137	22.96177667	0.17478	131.3753099
35	N06	34599	CG13299	24.47477	0.162240333	150.8550278
35	N07	33139	CG17462	28.92116	0.150512333	192.1514295
35	N08	34607	CG14230	29.60122333	0.225929	131.0200255
35	N09	33147	CG17885	29.96237333	0.154588333	193.8204047
35	N10	34623	CG32057	23.26104	0.133164333	174.6792059
35	N11	34549	CG6675	26.63165667	0.147808333	180.1769634
35	N12	34639	CG3576	25.98912	0.178631333	145.4902649
35	N13	34571	CG8204	24.21925333	0.140446667	172.4444866
35	N14	34647	CG5554	22.20727333	0.131309333	169.1218192
35	N15	34553	CG7073	7.956802333	0.149345667	53.27775831
35	N16	34655	CG6194	23.02025667	0.122346667	188.1559776
35	N17	34582	CG9192	25.44006667	0.129759	196.0562787
35	N18	34663	CG7018	23.28714	0.104017	223.8782122
35	N19	34548	CG6614	22.70368	0.111062333	204.4228616
35	N20	34679	CG9033	17.75558	0.148984	119.1777641
35	N21	34552	CG6691	28.05165	0.115433333	243.0116951
35	N22	34631	CG32736	30.02672333	0.118161333	254.1163212
35	N23	34587	CG10958	25.15509	0.118467667	212.3371778

35	N24	34694	CG10077	23.15665	0.10376	223.1751157
35	O01	33923	CG3011	34.39234667	0.162454667	211.7042703
35	O02	34477	CG31901	35.05801333	0.15582	224.9904591
35	O03	33931	CG3062	26.87736	0.172996667	155.3634559
35	O04	34459	CG17534	36.85144	0.152767333	241.2259165
35	O05	34352	CG13965	33.55005667	0.182462	183.8742131
35	O06	34420	CG14414	32.27274	0.187490667	172.1298482
35	O07	34332	CG11533	31.67817	0.157675667	200.9071575
35	O08	34436	CG16989	30.01885667	0.190269	157.7706125
35	O09	34396	CG14142	31.22798333	0.143644333	217.3979482
35	O10	34476	CG31782	36.01702	0.132626	271.5683199
35	O11	34404	CG14270	31.64052	0.12338	256.4477225
35	O12	34492	CG32433	34.37568333	0.145558333	236.1643098
35	O13	34356	CG13983	30.02863333	0.132485	226.6568542
35	O14	34500	CG3697	29.23567333	0.131673	222.0324086
35	O15	34324	CG10930	30.00706333	0.119735	250.6122966
35	O16	34479	CG32070	32.86602667	0.134494667	244.3667655
35	O17	34388	CG14126	32.24177667	0.119534667	269.7274152
35	O18	34481	CG32221	32.85667333	0.131056667	250.7058524
35	O19	34359	CG13988	29.59505667	0.108520667	272.7135538
35	O20	34482	CG32246	30.87064333	0.114264667	270.1678851
35	O21		wt	110.1167	0.091687	1201.006686
35	O22		HFA17794	2.793135667	0.016595	168.3118811
35	O23		hpo	83.10682333	0.100373	827.9798684
35	O24		Luc	3.839180667	0.118776	32.32286545
35	P01	33163	CG18472	40.39018	0.229519667	175.9769896
35	P02	34615	CG18377	25.35155	0.172619	146.8641922
35	P03	33155	CG1819	34.3933	0.182474667	188.4826022
35	P04	34671	CG8421	33.8895	0.222685333	152.1855952
35	P05	33132	CG17176	31.91565	0.199702667	159.8158429
35	P06	34600	CG13306	33.50968333	0.155367	215.6808288
35	P07	33140	CG17520	17.59447333	0.186880667	94.14817299
35	P08	34608	CG14897	30.20517333	0.168064667	179.7235191
35	P09	33148	CG17921	27.05274	0.147927	182.8789876
35	P10	34624	CG32100	33.13873333	0.162688667	203.6941725
35	P11	34540	CG5878	31.73996333	0.152483	208.1541112
35	P12	34640	CG3585	26.61095667	0.145022667	183.4951548
35	P13	34572	CG8236	29.66066667	0.12479	237.6846435
35	P14	34648	CG5609	30.13176333	0.136194	221.2414889
35	P15	34524	CG4596	30.67522667	0.124780667	245.8331686
35	P16	34656	CG6407	27.89205	0.133127667	209.5135497
35	P17	34532	CG5272	34.1761	0.142051	240.5903514
35	P18	34664	CG7054	29.11261	0.120507667	241.5830528
35	P19	34580	CG9173	29.99272	0.120654333	248.5838608
35	P20	34680	CG9203	33.19607667	0.116318667	285.3890748
35	P21		wt	111.1928333	0.091418	1216.312251
35	P22		HFA17794	2.488478333	0.016469	151.100755
35	P23		hpo	85.93194333	0.106802	804.5911437
35	P24		Luc	3.578985667	0.107357667	33.33702918