Supplementary file

Table S1. ST273 *K. pneumoniae* strains with genome sequences available in the GenBank.

Strain[a]	Accession no.	Recovery date	Location
ARPG-340	NBOK00000000	2013	Philippines
ARPG-372	NBOL00000000	2013	Philippines
ARPG-379	NBOM00000000	2013	Philippines
ARPG-380	NBON00000000	2013	Philippines
ARPG-381	NBOO00000000	2013	Philippines
K45-67	LLWB00000000	2007	Norway
Kpn223	CP015025	2013	USA
COL-Kpn50	NCNC00000000	2007	Colombia
COL-Kpn113	NCPN00000000	2004	Colombia
337	MOSH00000000	2012	China (Beijing)

[a]All strains were recovered from human except strain Kpn223, which was recovered from human associated environment (the exact type of environment is not specified)

Table S2. SNPs between genomes of ST273 strains.

	WCHKP020034	ARPG-340	ARPG-372	ARPG-379	ARPG-380	ARPG-381	COL-Kpn50	COL-Kpn113	K45-67	Kpn223	337
WCHKP020034	0	233	265	289	291	254	141	116	123	144	154
ARPG-340	233	0	175	204	203	167	177	151	172	187	199
ARPG-372	265	175	0	234	234	202	210	184	205	220	232
ARPG-379	289	204	234	0	261	228	235	209	230	245	257
ARPG-380	291	203	234	261	0	218	235	209	230	245	257
ARPG-381	254	167	202	228	218	0	199	173	194	209	221
COL-Kpn50	141	177	210	235	235	199	0	48	79	94	106
COL-Kpn113	116	151	184	209	209	173	48	0	53	68	80
K45-67	123	172	205	230	230	194	79	53	0	81	93
Kpn223	144	187	220	245	245	209	94	68	81	0	108
337	154	199	232	257	257	221	106	80	93	108	0

Table S3 cgMLST results for the ST273 strains.

Locus	337	WCHKP 020034	ARPG _340	ARPG _372	ARPG _379	ARPG _380	ARPG _381	COL _Kpn50	COL _Kpn113	K45 _67	Kpn 223
acpS (KPNJ2 RS07035)	2	2	2	2	2	2	2	2	2	2	2
atpC (KPNJ2 RS26510)	1	1	1	1	1	1	1	1	1	1	1
bcp (KPNJ2 RS07400)	1	1	1	1	1	1	1	1	1	1	1
bssR (KPNJ2 RS18010)	1	1	1	1	1	1	1	1	1	1	1
bssS (KPNJ2 RS16775)	1	1	1	1	1	1	1	1	1	1	1
clpS (KPNJ2 RS17540)	1	1	1	1	1	1	1	1	1	1	1
cmk (KPNJ2 RS17415)	3	3	3	3	3	3	3	3	3	3	3
coaD (KPNJ2 RS00695)	1	1	1	1	1	1	1	1	1	1	1
eno (KPNJ2 RS05675)	2	2	2	2	2	2	2	2	2	2	2
feoA (KPNJ2 RS01730)	1	1	1	1	1	1	1	1	1	1	1
folP (KPNJ2 RS02995)	2	2	2	2	2	2	2	2	2	2	2
ftsB (KPNJ2 RS05750)	1	1	1	1	1	1	1	1	1	1	1
gcvT (KPNJ2 RS04620)	2	2	2	2	2	2	2	2	2	2	2
gmk (KPNJ2 RS00585)	1	1	1	1	1	1	1	1	1	1	1
gntK (KPNJ2 RS01605)	1	1	1	1	1	1	1	1	1	1	1
greA (KPNJ2 RS02975)	2	2	2	2	2	2	2	2	2	2	2
greB (KPNJ2 RS01740)	2	2	2	2	2	2	2	2	2	2	2
groES (KPNJ2 RS24615)	1	1	1	1	1	1	1	1	1	1	1
hslU (KPNJ2 RS26050)	3	3	3	3	3	3	3	3	3	3	3
hypA (KPNJ2 RS05985)	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS00050	54	54	54	54	54	54	54	54	54	54	54
KPNJ2 RS00090	72	72	72	72	72	72	72	72	72	72	72
KPNJ2 RS00110	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00160	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00165	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS00195	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00210 (nepI)	52	52	52	52	52	52	52	52	52	52	52
KPNJ2 RS00260	56	56	56	56	56	56	56	56	56	56	56
KPNJ2 RS00265	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS00285	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS00290	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00310	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS00430	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS00435	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS00445	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS00455	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00520	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00525	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS00545	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS00595	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS00620	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS00665	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00690	41	41	41	41	41	41	41	41	41	41	41
KPNJ2 RS00780	45	45	45	45	45	45	45	45	45	45	45
KPNJ2 RS00790	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS00795	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS00800	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS00830	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS00835	50	50	50	50	50	50	50	50	50	50	50
KPNJ2 RS00845	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00890	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS00980	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS00985	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01000	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS01005	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS01100	58	58	58	58	58	58	58	58	58	58	58
KPNJ2 RS01240	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS01255	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS01290	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS01305	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01310	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01395	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01400	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01420	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS01440	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01470	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01640 (glgA)	40	40	40	40	40	40	40	40	40	40	40
KPNJ2 RS01670	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01675	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS01680	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS01755	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS01820 (aroK)	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS01825 (aroB)	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS01830	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01835	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS01840	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS01845	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS01855 (cysG)	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS01860 (nirD)	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS01870	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01875	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS01885	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS01895	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS01900	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS01920	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS01925	35	35	35	35	35	35	35	35	35	35	35
KPNJ2 RS01930	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS01935	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS01940	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS01945	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS01965	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS01970	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02070	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02095	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS02100	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS02115	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS02125 (hemE)	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS02130	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS02135	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS02140	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02145	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS02160	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02245	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02360 (secY)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02380	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS02420	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS02425	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS02430	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS02435	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02440	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS02445	31	31	31	31	31	31	31	31	31	31	31
KPNJ2 RS02455	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS02495	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS02615 (fis)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02635	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02645	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02650	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS02655	27	27	27	27	27	27	27	27	27	27	27
KPNJ2 RS02665	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS02670	33	33	33	33	33	33	33	33	33	33	33
KPNJ2 RS02675	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS02685	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS02715	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS02720	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02730	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02735	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS02740	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02745	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02765	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02815	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02820	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02835	60	60	60	60	60	60	60	60	60	60	60
KPNJ2 RS02850	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02855	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS02875	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS02880	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS02885	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS02890	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS02915	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02920	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02930	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS02960	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS02965 (obgE)	37	37	37	37	37	37	37	37	37	37	37
KPNJ2 RS02980	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03105	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS03115	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03120	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS03125	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03130	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03135	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS03150	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS03155	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03245 (garD)	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS03250	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS03290	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS03315	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03335	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS03340	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03345	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS03350	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS03480	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03485	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS03515	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS03520	37	37	37	37	37	37	37	37	37	37	37
KPNJ2 RS03530	35	35	35	35	35	35	35	35	35	35	35

KPNJ2 RS03575	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS03635	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03660 (ureA)	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS03665	27	27	27	27	27	27	27	27	27	27	27
KPNJ2 RS03685 (folB)	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS03725	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03735 (ribB)	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS03740	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS03755	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS03760	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03765 (nudF)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03770	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03775	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03780	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03785	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03790	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03795	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03805	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS03810	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS03815	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03855	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03865	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03870	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS03875	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS03895	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03910	33	33	33	33	33	33	33	33	33	33	33
KPNJ2 RS03925	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS03935	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04325	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04330	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04340	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04345	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04350	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04355	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS04360	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04365	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS04370	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04395	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS04400	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS04405	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04425	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04440	2	2	2	2	2	2	2	2	2	2	2

KPNJ2 RS04540	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS04545	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS04550	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS04560	33	33	33	33	33	33	33	33	33	33	33
KPNJ2 RS04565	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS04585	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04595	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04625	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS04665	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS04670	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS04680 (ygfZ)	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS04685	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04695	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS04715	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS04785	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS04830	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04835	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04840	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04960	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS04970	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05000	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05005	59	59	59	59	59	59	59	59	59	59	59
KPNJ2 RS05010	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS05080	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS05085	54	54	54	54	54	54	54	54	54	54	54
KPNJ2 RS05090	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS05095	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS05125	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05145	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS05155	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS05160	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS05210	35	35	35	35	35	35	35	35	35	35	35
KPNJ2 RS05220	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS05230	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS05290	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05325	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05380 (cbiH)	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS05385	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS05400	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS05405	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS05410	66	66	66	66	66	66	66	66	66	66	66
KPNJ2 RS05425 (cobU)	21	21	21	21	21	21	21	21	21	21	21

KPNJ2 RS05470	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05475	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05480	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS05500	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS05530	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS05570	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05580	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS05585	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS05610	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05615	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05620	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05625	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05680	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS05690	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS05695	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS05745	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05785	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS05875	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS05900	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05905	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05915	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS05935	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS06015	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS06105	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS06110	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS06115	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS06150	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS06235	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS06255	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS06265	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS06285	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS06320	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS06325	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS06330	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS06345	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS06360	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS06365	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS06390	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS06465	60	60	60	60	60	60	60	60	60	60	60
KPNJ2 RS06750	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS06755	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS06760	6	6	6	6	6	6	6	6	6	6	6

KPNJ2 RS06775 (ppnK)	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS06780	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS06880 (rluD)	45	45	45	45	45	45	45	45	45	45	45
KPNJ2 RS06955	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS06960	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS06965	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS06970	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS06975	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS06980	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07075	56	56	56	56	56	56	56	56	56	56	56
KPNJ2 RS07080	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS07085	63	63	63	63	63	63	63	63	63	63	63
KPNJ2 RS07090	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS07095	48	48	48	48	48	48	48	48	48	48	48
KPNJ2 RS07135	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS07155	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS07165	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07170	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS07175	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS07180 (iscA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07185 (hscB)	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS07190 (hscA)	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS07200	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07235	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07250	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS07260	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07280	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07285 (xseA)	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS07320	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07350	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS07355	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS07440	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS07475	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS07515	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS07575	24	24	24	24	24	24	24	24	24	24	24
KPNJ2 RS07580	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS07585	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS07595	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS07625 (cysW)	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS07645	66	66	66	66	66	66	66	66	66	66	66
KPNJ2 RS07650 (pdxK)	35	35	35	35	35	35	35	35	35	35	35
KPNJ2 RS07655	2	2	2	2	2	2	2	2	2	2	2

KPNJ2 RS07660	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07670	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07770	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS07775	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS07780	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07795	34	34	34	34	34	34	34	34	34	34	34
KPNJ2 RS07805	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07820	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS07875	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07885 (fadJ)	54	54	54	54	54	54	54	54	54	54	54
KPNJ2 RS07910 (mepA)	34	34	34	34	34	34	34	34	34	34	34
KPNJ2 RS07915	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS07925	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07950	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS07955	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS07960 (truA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS07970	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS07985	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08010	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS08015	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS08055	24	24	24	24	24	24	24	24	24	24	24
KPNJ2 RS08065	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS08070	53	53	53	53	53	53	53	53	53	53	53
KPNJ2 RS08080	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08115	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08120	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS08125	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08135	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08140	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS08155	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08240	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08400	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS08405	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS08410	57	57	57	57	57	57	57	57	57	57	57
KPNJ2 RS08415	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS08430	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS08440	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS08450	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS08485	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS08520	17	1	17	17	17	17	17	17	17	17	17
KPNJ2 RS08550	9	7	9	9	9	9	9	9	9	9	9
KPNJ2 RS08575 (folE)	13	22	13	13	13	13	13	13	13	13	13

KPNJ2 RS08590	35	26	35	35	35	35	35	35	35	35	35
KPNJ2 RS08595	27	17	27	27	27	27	27	27	27	27	27
KPNJ2 RS08620	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08660	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08665	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS08710	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09250	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS09595	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09600 (rcsA)	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS09635	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09645 (sirA)	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS09680	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS09695	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS09715	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09775	68	68	68	68	68	68	68	68	68	68	68
KPNJ2 RS09780	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS09800	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09835 (ruvA)	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS09855 (znuA)	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS09895	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS09925	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS09930	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS09960	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09965	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS09980	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS10000	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10010	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10015	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS10020	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10050	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10070	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS10110	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10115	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS10120	41	41	41	41	41	41	41	41	41	41	41
KPNJ2 RS10130	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS10140 (minE)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10145	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS10150 (minC)	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS10160	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10165	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS10170	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10175	2	2	2	2	2	2	2	2	2	2	2

KPNJ2 RS10205	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS10285	42	42	42	42	42	42	42	42	42	42	42
KPNJ2 RS10300	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS10330	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10610 (prfA)	37	37	37	37	37	37	37	37	37	37	37
KPNJ2 RS10615	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS10620	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS10625	31	31	31	31	31	31	31	31	31	31	31
KPNJ2 RS10640 (chaB)	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS10645	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10655	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10700	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS10710	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS10720 (narZ)	72	72	72	72	72	72	72	72	72	72	72
KPNJ2 RS10735 (narI)	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS10765	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS10785	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10795	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10850	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10865	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10875	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS10890	33	33	33	33	33	33	33	33	33	33	33
KPNJ2 RS10900	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS10905	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10930	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS10970 (metQ)	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS11015	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11030	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11035	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11050	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS11135	24	24	24	24	24	24	24	24	24	24	24
KPNJ2 RS11155	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS11165	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11410	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11470	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS11610	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS11710	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11715	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11730	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS11900	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS11905	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11910	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS11915	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS11920	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS11925	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11935	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS11980	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS11995	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS12050	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12070	58	58	58	58	58	58	58	58	58	58	58
KPNJ2 RS12120	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12145	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12155	57	57	57	57	57	57	57	57	57	57	57
KPNJ2 RS12160	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12170	43	43	43	43	43	43	43	43	43	43	43
KPNJ2 RS12180	56	56	56	56	56	56	56	56	56	56	56
KPNJ2 RS12185	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12200	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS12210	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS12230	27	27	27	27	27	27	27	27	27	27	27
KPNJ2 RS12260	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS12265	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS12270	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12300	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS12310	40	40	40	40	40	40	40	40	40	40	40
KPNJ2 RS12350	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12405	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS12445	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS12490	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS12505	51	51	51	51	51	51	51	51	51	51	51
KPNJ2 RS12540	45	45	45	45	45	45	45	45	45	45	45
KPNJ2 RS12555	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS12645	55	55	55	55	55	55	55	55	55	55	55
KPNJ2 RS12655	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12670	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS12685	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS12705	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS12710	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS12715	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS12775	43	43	43	43	43	43	43	43	43	43	43
KPNJ2 RS12885	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS13075	62	62	62	62	62	62	62	62	62	62	62
KPNJ2 RS13180	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS13570	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS13595	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS13615	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS13760	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS13800	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS13840 (ldh)	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS13900	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS13935	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS13945	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS13980	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS13985	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS14205	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS14210	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS14290	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS14380	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS14395	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS14425	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS14440	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS14445	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS14450	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS14465	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS14495	72	72	72	72	72	72	72	72	72	72	72
KPNJ2 RS14515	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS14530	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS14695	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS14760	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS14785	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS14835	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS14915	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS15520	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15625	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15640	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS15660	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15685	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15695	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS15865	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15870	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS15875	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15885	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15925	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15930	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS15935 (nadE)	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS15945	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS15970	42	42	42	42	42	42	42	42	42	42	42
KPNJ2 RS16135	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS16140	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16190	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS16285	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS16290	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16300	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16370	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16395	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS16480	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS16500 (potA)	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS16555	50	50	50	50	50	50	50	50	50	50	50
KPNJ2 RS16570	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS16585	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS16630	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16635	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16650	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS16665	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS16670	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS16675	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16680 (fabG)	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS16685	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS16705	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16785	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS16800	43	43	43	43	43	43	43	43	43	43	43
KPNJ2 RS16805	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS16830 (opgC)	46	46	46	46	46	46	46	46	46	46	46
KPNJ2 RS16835	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS16840	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS16915	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS16925	48	48	48	48	48	48	48	48	48	48	48
KPNJ2 RS17000	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS17020	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17025	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17045	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17140	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17165	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17185	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS17245	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17250	33	33	33	33	33	33	33	33	33	33	33
KPNJ2 RS17255	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS17260	23	23	23	23	23	23	23	23	23	23	23

KPNJ2 RS17335	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS17345 (mukB)	57	57	57	57	57	57	57	57	57	57	57
KPNJ2 RS17350	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17380	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17395	43	43	43	43	43	43	43	43	43	43	43
KPNJ2 RS17405 (ihfB)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17435	46	46	46	46	46	46	46	46	46	46	46
KPNJ2 RS17440	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS17500	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS17510	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS17520	56	56	56	56	56	56	56	56	56	56	56
KPNJ2 RS17545	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS17570	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS17590	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS17595	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS17655	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS17720	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18085	48	48	48	48	48	48	48	48	48	48	48
KPNJ2 RS18125	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS18160	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS18165 (glnH)	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS18170 (glnP)	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS18175 (glnQ)	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS18200	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18205	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS18230	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18365 (bioD)	45	45	45	45	45	45	45	45	45	45	45
KPNJ2 RS18420	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS18440	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS18450	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18455	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS18460	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS18475	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS18480	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18485	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS18490	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS18505 (modA)	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS18510	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18520	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS18555	37	37	37	37	37	37	37	37	37	37	37
KPNJ2 RS18625	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18640	8	8	8	8	8	8	8	8	8	8	8

KPNJ2 RS18650	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS18655	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18660	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18670	55	55	55	55	55	55	55	55	55	55	55
KPNJ2 RS18810	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS18820	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS18835	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS18840	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS18845 (fur)	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS18865	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS18870	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS18880 (nagB)	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS18885 (nagA)	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS18890	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS18895	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS18980	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS19045	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS19075	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS19090	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS19095 (tatE)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS19100	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS19105	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS19115	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS19120 (dcuC)	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS19125	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS19130	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS19135	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS19180	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS19575	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS19590	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS19735	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS19750	59	59	59	59	59	59	59	59	59	59	59
KPNJ2 RS19755	58	58	58	58	58	58	58	58	58	58	58
KPNJ2 RS19860	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS19865	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS20020	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20040	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20100	37	37	37	37	37	37	37	37	37	37	37
KPNJ2 RS20195	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20200	39	39	39	39	39	39	39	39	39	39	39
KPNJ2 RS20250	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS20345	2	2	2	2	2	2	2	2	2	2	2

KPNJ2 RS20420	48	48	48	48	48	48	48	48	48	48	48
KPNJ2 RS20425 (adk)	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS20455	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20460	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20465	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20470	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS20500	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS20535	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS20540 (lacI)	36	36	36	36	36	36	36	36	36	36	36
KPNJ2 RS20550	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS20595	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20615	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20620	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS20635	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20650	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20685	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20690	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS20695	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS20705	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20715 (clpX)	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS20720	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS20725	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS20730	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20750	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS20760	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20765	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20770	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS20820	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20830	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20845	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS20890	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS20895	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS20900	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS20910	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS20995	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS21005	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS21020 (phoR)	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS21050	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21060	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21065	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21070	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21095	3	3	3	3	3	3	3	3	3	3	3

KPNJ2 RS21105	31	31	31	31	31	31	31	31	31	31	31
KPNJ2 RS21115	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS21140	48	48	48	48	48	48	48	48	48	48	48
KPNJ2 RS21235	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21285	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21490	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21530 (frsA)	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS21535	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS21590	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS21655	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS21670	19	19	19	19	19	19	19	19	19	19	19
KPNJ2 RS21730	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS21765	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21775	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21825	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21835	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS21860	40	40	40	40	40	40	40	40	40	40	40
KPNJ2 RS21870	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS21875 (tsf)	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS21885	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS21930	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS21960	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22010	35	35	35	35	35	35	35	35	35	35	35
KPNJ2 RS22080	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS22085 (dksA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22100	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS22120	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS22130	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS22135	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS22140	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS22145	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22165	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22200	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22260	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS22270	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS22280	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22285	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS22290	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS22295	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS22305	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS22315 (coaE)	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS22325	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS22330	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS22410	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22415	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS22420	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22435	60	60	60	60	60	60	60	60	60	60	60
KPNJ2 RS22505	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS22510	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22520 (tbpA)	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS22535	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS22540	27	27	27	27	27	27	27	27	27	27	27
KPNJ2 RS22560 (araD)	28	28	28	28	28	28	28	28	28	28	28
KPNJ2 RS22585	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22615	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS22620 (pdxA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22625 (ksgA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22630 (apaG)	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS22635 (apaH)	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS22640 (folA)	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS22650	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS22655	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22765	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22825	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS22880	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS22905	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS22910	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS22935	57	57	57	57	57	57	57	57	57	57	57
KPNJ2 RS22940	60	60	60	60	60	60	60	60	60	60	60
KPNJ2 RS22945	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS22955	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS22965 (deoD)	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS22970	53	53	53	53	53	53	53	53	53	53	53
KPNJ2 RS23000	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS23005	13	13	13	13	13	13	13	13	13	13	13
KPNJ2 RS23010 (prfC)	47	47	47	47	47	47	47	47	47	47	47
KPNJ2 RS23015	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS23065	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS23075	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS23085	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS23095	46	46	46	46	46	46	46	46	46	46	46
KPNJ2 RS23105	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS23110	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS23115	15	15	15	15	15	15	15	15	15	15	15

KPNJ2 RS23125	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS23290	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS23340	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS23385	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS23415	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS23525	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS23785	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS23790	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS23795	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS23865	17	17	17	17	17	17	17	17	17	17	17
KPNJ2 RS23870	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS23915	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS23970	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS24080	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24100	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24145	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24180	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24245	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24260	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS24280	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24290	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS24335	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS24360	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24400	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS24410 (hfq)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24415 (miaA)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24465	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS24515	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS24520	22	22	22	22	22	22	22	22	22	22	22
KPNJ2 RS24530	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24540	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS24700	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS24715	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24720	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24745	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24810	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS24855	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS24875	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS24995	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS25020	4	4	4	4	4	4	4	4	4	4	4
KPNJ2 RS25025	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25105	29	29	29	29	29	29	29	29	29	29	29

KPNJ2 RS25130	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS25135	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25145	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS25165 (pspG)	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS25175	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25185	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25190	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25210	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25240	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25260	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25265	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS25270	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS25285	18	18	18	18	18	18	18	18	18	18	18
KPNJ2 RS25290	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS25295	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS25315	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25440	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS25445	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25490	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25495	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25500 (ubiB)	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS25505	32	32	32	32	32	32	32	32	32	32	32
KPNJ2 RS25510 (ubiE)	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS25515	41	41	41	41	41	41	41	41	41	41	41
KPNJ2 RS25520	41	41	41	41	41	41	41	41	41	41	41
KPNJ2 RS25535	24	24	24	24	24	24	24	24	24	24	24
KPNJ2 RS25545	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS25555 (rhtB)	43	43	43	43	43	43	43	43	43	43	43
KPNJ2 RS25575	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS25590	45	45	45	45	45	45	45	45	45	45	45
KPNJ2 RS25615	29	29	29	29	29	29	29	29	29	29	29
KPNJ2 RS25620 (dapF)	21	21	21	21	21	21	21	21	21	21	21
KPNJ2 RS25625	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25630 (cyaY)	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS25745	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS25775	12	12	12	12	12	12	12	12	12	12	12
KPNJ2 RS25795	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25800	6	6	6	6	6	6	6	6	6	6	6
KPNJ2 RS25820	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS25825	16	16	16	16	16	16	16	16	16	16	16
KPNJ2 RS25830 (ilvM)	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25850	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS25900 (btuB)	63	63	63	63	63	63	63	63	63	63	63
KPNJ2 RS25910	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25915	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS25920	20	20	20	20	20	20	20	20	20	20	20
KPNJ2 RS25945	44	44	44	44	44	44	44	44	44	44	44
KPNJ2 RS26010	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS26045	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26065	27	27	27	27	27	27	27	27	27	27	27
KPNJ2 RS26070 (fieF)	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS26075 (cpxP)	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS26080	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS26090	34	34	34	34	34	34	34	34	34	34	34
KPNJ2 RS26095	7	7	7	7	7	7	7	7	7	7	7
KPNJ2 RS26100	10	10	10	10	10	10	10	10	10	10	10
KPNJ2 RS26105	5	5	5	5	5	5	5	5	5	5	5
KPNJ2 RS26110	14	14	14	14	14	14	14	14	14	14	14
KPNJ2 RS26115	31	31	31	31	31	31	31	31	31	31	31
KPNJ2 RS26120	35	35	35	35	35	35	35	35	35	35	35
KPNJ2 RS26125	9	9	9	9	9	9	9	9	9	9	9
KPNJ2 RS26145	53	53	53	53	53	53	53	53	53	53	53
KPNJ2 RS26170	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS26225	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26235	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26250	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26255	2	2	2	2	2	2	2	2	2	2	2
KPNJ2 RS26260	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26265	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26275	38	38	38	38	38	38	38	38	38	38	38
KPNJ2 RS26285	15	15	15	15	15	15	15	15	15	15	15
KPNJ2 RS26295	25	25	25	25	25	25	25	25	25	25	25
KPNJ2 RS26305 (glnA)	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS26310 (glnL)	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS26315 (glnG)	8	8	8	8	8	8	8	8	8	8	8
KPNJ2 RS26320	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26335	64	64	64	64	64	64	64	64	64	64	64
KPNJ2 RS26415 (rbsC)	23	23	23	23	23	23	23	23	23	23	23
KPNJ2 RS26425	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26435	30	30	30	30	30	30	30	30	30	30	30
KPNJ2 RS26465 (gidB)	11	11	11	11	11	11	11	11	11	11	11
KPNJ2 RS26470	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26475	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26480	1	1	1	1	1	1	1	1	1	1	1

KPNJ2 RS26485	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26500	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26550 (pstA)	26	26	26	26	26	26	26	26	26	26	26
KPNJ2 RS26580	3	3	3	3	3	3	3	3	3	3	3
KPNJ2 RS26590	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26595	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26600	1	1	1	1	1	1	1	1	1	1	1
KPNJ2 RS26635	1	1	1	1	1	1	1	1	1	1	1
lpxC (KPNJ2 RS22345)	1	1	1	1	1	1	1	1	1	1	1
mgsA (KPNJ2 RS17155)	1	1	1	1	1	1	1	1	1	1	1
nusB (KPNJ2 RS20875)	1	1	1	1	1	1	1	1	1	1	1
pcm (KPNJ2 RS05775)	1	1	1	1	1	1	1	1	1	1	1
pheT (KPNJ2 RS10935)	1	1	1	1	1	1	1	1	1	1	1
potC (KPNJ2 RS16510)	1	1	1	1	1	1	1	1	1	1	1
rbfA (KPNJ2 RS03060)	2	2	2	2	2	2	2	2	2	2	2
rcsF (KPNJ2 RS21740)	2	2	2	2	2	2	2	2	2	2	2
rho (KPNJ2 RS25755)	2	2	2	2	2	2	2	2	2	2	2
ribH (KPNJ2 RS20880)	1	1	1	1	1	1	1	1	1	1	1
rimM (KPNJ2 RS06805)	1	1	1	1	1	1	1	1	1	1	1
rnc (KPNJ2 RS07015)	2	2	2	2	2	2	2	2	2	2	2
rnhB (KPNJ2 RS21810)	1	1	1	1	1	1	1	1	1	1	1
rph (KPNJ2 RS00650)	1	1	1	1	1	1	1	1	1	1	1
rpoZ (KPNJ2 RS00580)	1	1	1	1	1	1	1	1	1	1	1
sdhC (KPNJ2 RS18715)	2	2	2	2	2	2	2	2	2	2	2
secG (KPNJ2 RS03005)	1	1	1	1	1	1	1	1	1	1	1
sspA (KPNJ2 RS02785)	2	2	2	2	2	2	2	2	2	2	2
sucC (KPNJ2 RS18685)	4	4	4	4	4	4	4	4	4	4	4
sufC (KPNJ2 RS11140)	1	1	1	1	1	1	1	1	1	1	1
tgt (KPNJ2 RS20930)	1	1	1	1	1	1	1	1	1	1	1
yajC (KPNJ2 RS20925)	2	2	2	2	2	2	2	2	2	2	2