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Appendix

Note: Abbreviations used in tables are as follow:

Gene symbol=G, Entrez_id=Ei, Chromosome location= CL, Linkage region=LR, Uniprot_id=Ui

Non-family based positive association=P

Non-family based positive association=N

Net result for positive and negative associations=NET

Family based Trend association=Tf

Family based positive association=PF

Family based positive association=Nf

Net result for positive and negative associations=NETf

Family based Trend association=Tf

Table number-1 AlzGene sheet

G	Ei	CL	LR	U_id	P	N	NET	T	Pf	Nf	NETf	Tf	MA
A1CF	29974	10q11.23	Linkage	Q9NQ94		1	-1						N
A2M	2	12p13.31	NO	P01023	7	35	-28	2	4	2	2	1	Y
ABCA1	19	9q31.1	Linkage2	O95477	8	8	0		2		2		Y
ABCA12	26154	2q34	NO	Q86UK0		0	0						N
ABCA2	20	9q34	Downstre am	Q9BZC7	3	1	2						Y
ABCA7	10347	19p13.3	Linkage	Q8IZY2	11		11						Y
ABCB1	5243	7q21.12	Downstre am	P08183		3	-3						N
ABCC2	1244	10q24	Downstre am	Q92887		2	-2						N
ABCC8	6833	11p15.1	NO	Q09428		3	-3						N
ABCC9	10060	12p12.1	NO	O60706		3	-3						N
ABCG1	9619	21q22.3	NO	P45844	2	6	-4						Y
ABCG4	64137	11q23.3	NO	Q9H172		3	-3						N
ABCG5	64240	2p21	NO	Q9H222		0	0						N
ACAD8	27034	11q25	NO	Q9UKU7	1	5	-4						Y
ACAN	176	15q26.1	NO	P16112	2	3	-1	1					Y
ACAT2	39	6q25.3	Downstre am	Q9BWD1		2	-2						N
ACE	1636	17q23.3	Upstream	P12821	17	24	-7	5	1		1		Y
ACHE	43	7q22	Downstre am	P22303		4	-4						N
ACO2	50	22q13.2	NO	Q99798		1	-1	1					N
ACOT2	10965	14q24.3	NO	P49753		1	-1						N
ACSL4	2182	Xq22.3- q23	NO	O60488		0	0						N
ACTA2	59	10q23.3	Linkage	P62736		6	-6	2					Y
ADAM10	102	15q22	NO	O14672		5	-5	3	1	1	0		Y
ADAM12	8038	10q26.3	Downstre am	O43184	1	6	-5						Y
ADAM17	6868	2p25	NO	P78536		0	0						N
ADAM9	8754	8p11.22	Downstre am	Q13443		0	0						N
ADCYAP1R1	117	7p14	Linkage	P41586		1	-1						N

ADORA2A	135	22q11.23	NO	P29274		0	0							N
ADORA2B	136	17p12	Upstream	P29275		2	-2							N
ADRA1A	148	8p21.2	Linkage	P35348		1	-1							N
ADRA2A	150	10q25.2	Downstream	P08913		1	-1							N
ADRB1	153	10q25.3	Downstream	P08588		2	-2							N
ADRB2	154	5q31-q32		P07550		0	0							N
ADRB3	155	8p12	Downstream	P13945		1	-1							N
AGER	177	6p21.3	Upstream	Q15109	1	1	0	2						N
AGPAT1	10554	6p21.3	Upstream	Q99943	1		1							N
AGT	183	1q42.2	Downstream	P01019	1	3	-2							N
AHR	196	7p15	Linkage	P35869		1	-1							N
AHSG	197	3q27	Downstream	P02765	1	1	0							N
AKAP8	10270	19p13.1	Upstream	O43823		0	0							N
AKT2	208	19q13.1-q13.2	Linkage	P31751		1	-1							N
ALB	213	4q13.3	NO	P02768	0		0							N
ALDH18A1	5832	10q24.3	Linkage	P54886	2	3	-1							Y
ALDH2	217	12q24.2	NO	P05091		0	0							Y
ALOX5	240	10q11.2	Linkage	P09917	1	2	-1							N
ALOX5AP	241	13q12	NO	P20292		1	-1							N
ANK3	288	10q21	Linkage	Q12955	1	5	-4							Y
ANXA8L2	244	10q11.22	Linkage	Q5VT79		1	-1							N
AP3M1	26985	10q22.2	Linkage	Q9Y2T2		1	-1							N
APBA1	320	9q13-q21.1	Downstream	Q02410		0	0							N
APBB1	322	11p15	NO	O00213	2	3	-1	1						Y
APBB1P	54518	10p12.1	Linkage	Q7Z5R6		1	-1							N
APBB2	323	4p13	NO	Q92870	4	3	1							Y
APEX1	328	14q11.2	NO	P27695		0	0							N
APH1A	51107	1p36.13-q31.3	Linkage	Q96B13		2	-2	2						N
APH1B	83464	15q22.2	NO	Q8WW43	1	4	-3							Y
APOA1	335	11q23-q24	NO	P02647	1	3	-2							Y
APOA1BP	128240	1q21	Linkage	Q8NCW5		2	-2							N
APOA2	336	1q21-q23	Linkage	P02652		1	-1							N
APOA4	337	11q23	NO	P06727	3	1	2							N
APOA5	116519	11q23	NO	Q6Q788	1		1							N
APOB	338	2p24-p23	NO	P04114		2	-2							N
APOBEC1	339	12p13.1	NO	P41238		1	-1							N
APOBEC2	10930	6p21	Linkage	Q9Y235		1	-1							N
APOC1	341	19q13.2	Linkage	P02654	8	1	7		1	1	0			Y
APOC2	344	19q13.2	Linkage	P02655	3	4	-1		1		1			N
APOC3	345	11q23.1-q23.2	NO	P02656		0	0							N
APOC4	346	19q13.2	Linkage	P55056	3	2	1	4						Y
APOD	347	3q26.2-qter	Downstream	P05090	1		1							N
APOE	348	19q13.2	Linkage	P02649	56	9	47	2	2	1	1			Y
APOM	55937	6p21.33	Upstream	O95445		1	-1							N
APP	351	21q21.3	NO	P05067	2	1	1							N
AR	367	Xq12	NO	P10275	1	1	0							N
ARID4A	5926	14q23.1	NO	P29374		1	-1							N
ARID5B	84159	10q21.2	Linkage	Q14865	6		6							Y
ARL5B	221079	10p12.31	Linkage	Q96KC2	1		1							N
ARMS2	387715	10q26.13	Downstream	P0C7Q2		3	-3	1						Y
ARSB	411	5q11-q13		P15848	1		1							N
ART3	419	4q21.1; 4p15.1-p14	NO	Q13508		0	0							N
ATF7	11016	12q13	NO	P17544	0		0							N
ATP6V0A4	50617	7q34	Downstream	Q9HBG4	1		1							N
ATXN1	6310	6p23	Upstream	P54253	1	5	-4		2	1	1	1		N

AVPR1A	552	12q14-q15	NO	P37288		0	0						N
BACE1	23621	11q23.2-q23.3	NO	P56817	4	11	-7	1					Y
BACE2	25825	21q22.3	NO	Q9Y5Z0	1	5	-4						N
BAG3	9531	10q25.2-q26.2	Downstream	O95817		2	-2						N
BCAM	4059	19q13.2	Linkage	P50895	1	2	-1	3					Y
BCHE	590	3q26.1-q26.2	Downstream	P06276	10	13	-3			1	-1		Y
BCL2	596	18q21.3	NO	P10415		1	-1						N
BCL3	602	19q13.1-q13.2	Linkage	P20749		1	-1						N
BCR	613	22q11.23	NO	P11274	1	5	-4						Y
BDNF	627	11p13	NO	P23560	6	18	-12						Y
BICC1	80114	10q21.1	Linkage	Q9H694		1	-1						N
BIN1	274	2q14	NO	O00499	14	2	12						Y
BIRC3	330	11q22	NO	Q13489		1	-1						N
BLMH	642	17q11.2	Upstream	Q13867	1	5	-4	1					Y
C1R	715	12p13	NO	P00736		3	-3						N
C2	717	6p21.3	Upstream	P06681		1	-1						N
C4A	720	6p21.3	Upstream	POCOL4	1		1						N
C4B	721	6p21.3	Upstream	POCOL5	1		1						N
CACNB2	783	10p12	Linkage	Q08289	1		1						N
CALHM1	255022	10q24.33	Downstream	Q8IU99	6	7	-1			4	-4		Y
CALHM2	51063	10q24.33	Downstream	Q9HA72		0	0						N
CALHM3	119395	10q24.33	Downstream	Q86XJ0		0	0						N
CAMK1G	57172	1q32-q41	Downstream	Q96NX5		2	-2						N
CAMK2G	818	10q22	Linkage	Q13555		2	-2						N
CAND1	55832	12q14	NO	Q86VP6	1	2	-1						N
CARD8	22900	19q13.33	Linkage	Q9Y2G2	1	2	-1						N
CASP3	836	4q34	NO	P42574		1	-1						N
CASP4	837	11q22.2-q22.3	NO	P49662		1	-1						N
CASP6	839	4q25	NO	P55212		1	-1						N
CASP8	841	2q33-q34	NO	Q14790		1	-1						N
CAST	831	5q15		P20810		0	0						N
CAT	847	11p13	NO	P04040		2	-2						N
CAV1	857	7q31.1	Downstream	Q03135		0	0						N
CAV3	859	3p25	Upstream	P56539		1	-1						N
CBLC	23624	19p13.2	Linkage	Q9ULV8		2	-2						N
CBS	875	21q22.3	NO	P35520	1	1	0						N
CCDC134	79879	22q13.2	NO	Q9H6E4	1		1						N
CCL2	6347	17q11.2-q12	Upstream	P13500	1	3	-2						Y
CCL3	6348	17q12	Upstream	P10147		0	0						N
CCL5	6352	17q11.2-q12	Upstream	P13501		1	-1						N
CCL8	6355	17q11.2	Upstream	P80075		1	-1						N
CCNT1	904	12q13.11	NO	O60563		2	-2						N
CCR2	729230	3p21.31	Upstream	P41597	1	2	-1						Y
CCR5	1234	3p21.31	Upstream	P51681		4	-4						Y
CD14	929	5q31.1		P08571		2	-2						N
CD2AP	23607	6p12	Linkage	Q9Y5K6	2	3	-1						Y
CD33	945	19q13.3	Linkage	P20138	5	2	3		3	1	2		Y
CD36	948	7q11.2	Linkage	P16671		2	-2						N
CD40	958	20q12-q13.2	NO	P25942		2	-2						N
CDK1	983	10q21.1	Linkage	P06493	2	2	0			1	-1		N
CDK5	1020	7q36	Downstream	Q00535	2	3	-1	1					Y
CDK5R1	8851	17q11.2	Upstream	Q15078	1		1						N
CDKN2A	1029	9p21	Linkage1	Q8N726		2	-2		1		1		N
CDX2	1045	13q12.3	NO	Q99626		1	-1						N

CECR2	27443	22q11.2	NO	Q9BXF3		1	-1		1		1		N
CELF2	10659	10p13	Linkage	O95319		0	0		1		1		N
CETP	1071	16q21	NO	P11597	2	8	-6						Y
CFB	629	6p21.3	Upstream	P00751		1	-1						N
CFH	3075	1q32	Downstream	P08603	1	3	-2						Y
CH25H	9023	10q23	Linkage	O95992	4	9	-5						Y
CHAT	1103	10q11.2	Linkage	P28329	6	8	-2						Y
CHD4	1108	12p13	NO	Q14839	1		1			1	-1		N
CHRFAM7A	89832	15q13.1	NO	Q494W8	1		1						N
CHRM1	1128	11q13	NO	P11229		0	0						N
CHRNA2	1135	8p21	Linkage	Q15822		3	-3						N
CHRNA3	1136	15q24	NO	P32297		0	0						N
CHRNA4	1137	20q13.2-q13.3	NO	P43681	1	2	-1						N
CHRNA6	8973	8p11.21	Downstream	Q15825		3	-3						N
CHRNA7	1139	15q14	NO	P36544	2	3	-1						N
CHRN2	1141	1q21.3	Linkage	P1778	1	5	-4						Y
CHRN4	1143	15q24	NO	P30926		2	-2						N
CHST3	9469	10q22.1	Linkage	Q7LGC8		2	-2						N
CLCNKB	1188	1p36	Upstream	P51801		0	0						N
CLPTM1	1209	19q13.3	Linkage	O96005	1	2	-1	3					N
CLU	1191	8p21-p12	Linkage	P10909	17	7	10						Y
CNTF	1270	11q12.2	NO	P26441		2	-2						N
COG2	22796	1q42.2	Downstream	Q14746		1	-1						N
COL11A1	1301	1p21	Linkage	P12107		0	0						N
COL25A1	84570	4q25	NO	Q9BX50	2		2						N
COMT	1312	22q11.21	NO	P21964	1	2	-1						Y
COX10	1352	17p12	Upstream	Q12887	1		1						N
COX15	1355	10q24	Downstream	Q7KZN9	1	2	-1						N
CPE	1363	4q32.3	NO	P16870		1	-1						N
CR1	1378	1q32	Downstream	P17927	11		11	1					Y
CRH	1392	8q13	Downstream	P06850		2	-2						N
CRHBP	1393	5q11.2-q13.3		P24387		2	-2						N
CRP	1401	1q21-q23	Linkage	P02741	1	2	-1						N
CSF1	1435	1p21-p13	Linkage	P09603		1	-1						N
CSK	1445	15q24.1	NO	P41240	1	2	-1						N
CSN1S1	1446	4q21.1	NO	P47710		0	0						N
CST3	1471	20p11.21	NO	P01034	5	11	-6						Y
CTNNA3	29119	10q22.2	Linkage	Q9UI47	3	8	-5		4	1	3		Y
CTSD	1509	11p15.5	NO	P07339	7	16	-9	2					Y
CTSG	1511	14q11.2	NO	P08311		1	-1						N
CTSS	1520	1q21	Linkage	P25774	2	4	-2						Y
CXCL1	2919	4q21	NO	P09341		0	0						N
CXCL10	3627	4q21	NO	P02778		3	-3						N
CXCL12	6387	10q11.1	Linkage	P48061		1	-1						N
CYP17A1	1586	10q24.3	Downstream	P05093		0	0						N
CYP19A1	1588	15q21.1	NO	P11511	6	4	2						Y
CYP1A1	1543	15q24.1	NO	P04798		1	-1						N
CYP2C19	1557	10q24	Linkage	P33261		1	-1						N
CYP2C8	1558	10q23.33	Downstream	P10632		2	-2						N
CYP2D6	1565	22q13.1	NO	P10635		11	-11						Y
CYP39A1	51302	6p21.1-p11.2	Linkage	Q9NYL5		3	-3						N
CYP46A1	10858	14q32.1	NO	Q9Y6A2	9	10	-1						Y
CYP4F3	4051	19p13.2	Upstream	Q08477		1	-1	1					N
DAPK1	1612	9q21.33	Linkage2	P53355	6	1	5						Y
DBH	1621	9q34	Downstream	P09172		1	-1						N
DDX39B	7919	6p21.3	Upstream	Q13838	1		1						N

DFNB31	25861	9q32	Downstream	Q9P202	3		3						N
DGKB	1607	7p21.2	Linkage	Q9Y6T7	2		2						N
DHCR24	1718	1p32.3	Upstream	Q15392	1	2	-1						N
DKK1	22943	10q11.2	Linkage	O94907	1	1	0						N
DLD	1738	7q31-q32	Downstream	P09622	1	1	0	1					N
DLGAP1	9229	18p11.31	NO	O14490	1	1	0	1	2	2	0		N
DLST	1743	14q24.3	NO	P36957	1	6	-5						Y
DNAJC12	56521	10q22.1	Linkage	Q9UKB3		1	-1						N
DNAJC28	54943	21q22.11	NO	Q9NX36		0	0						N
DNM2	1785	19p13.2	Upstream	P50570		2	-2						N
DNMBP	23268	10q24.2	Downstream	Q6XZF7	1	2	-1	1					Y
DOPEY2	9980	21q22.2	NO	Q9Y3R5		0	0						N
DPYS	1807	8q22	Downstream	Q14117		1	-1						N
DRD3	1814	3q13.3	Linkage	P35462		0	0						N
DRD4	1815	11p15.5	NO	P21917		1	-1						N
DSC1	1823	18q12.1	NO	Q08554	2	1	1						N
DVL1	1855	1p36	Upstream	O14640		1	-1						N
DYRK1A	1859	21q22.13	NO	Q13627	0	3	-3						N
EBF3	253738	10q26.3	Downstream	Q9H4W6	2	6	-4						Y
EBP	10682	Xp11.23-p11.22	NO	Q15125		2	-2						N
ECE1	1889	1p36.1	Upstream	P42892	2	1	1						Y
ECHS1	1892	10q26.2-q26.3	Downstream	P30084		2	-2						N
EFEMP1	2202	2p16	NO	Q12805		0	0						N
EFNA5	1946	5q21		P52803	1	2	-1						N
EGR2	1959	10q21.1	Linkage	P11161		0	0						N
EIF2AK2	5610	2p22-p21	NO	P19525	1	3	-2						Y
ENPP1	5167	6q22-q23	Downstream	P06241		1	-1						N
ENPP2	5168	8q24.1	Downstream	Q13822		1	-1						N
ENTPD7	57089	10q24	Downstream	Q9NQZ7		3	-3						Y
EPC2	26122	2q23.1	NO	Q52LR7	1		1						N
EPHA1	2041	7q34	Downstream	P21709	5		5						Y
EPHA4	2043	2q36.1	NO	P54764	1		1						N
ERCC2	2068	19q13.3	Linkage	P18074		0	0						N
ERCC4	2072	16p13.12	NO	Q92889		1	-1						N
ESR1	2099	6q25.1	Downstream	P03372	7	8	-1	1					Y
ESR2	2100	14q23.2	NO	Q92731	3	1	2						N
EXOC3L2	90332	19q13.32	Linkage	Q2M3D2	3	3	0						Y
F11R	50848	1q21.2-q21.3	Linkage	Q9Y624		2	-2						N
F13A1	2162	6p25.3-p24.3	Upstream	P00488	1		1						N
FABP2	2169	4q28-q31	NO	P12104		1	-1						N
FABP4	2167	8q21	Downstream	P15090		1	-1						N
FADD	8772	11q13.3	NO	Q13158		1	-1						N
FAM113B	91523	12q13.11	NO	Q96HM7	2	1	1						N
FAM176C	59271	21q22.11	NO	P58658		0	0						N
FAM63A	55793	1q21.3	Linkage	Q8N5J2	1	5	-4						Y
FAS	355	10q24.1	Linkage	P25445	5	11	-6		1		1		Y
FBP1	2203	9q22.3	Linkage2	P09467		1	-1						N
FCER1G	2207	1q23	Linkage	P30273		0	0						N
FDPS	2224	1q22	Linkage	P14324	2	5	-3						Y
FGF1	2246	5q31		P05230		0	0						N
FGL2	10875	7q11.23	Linkage	Q14314		0	0						N
FLOT1	10211	6p21.3	Upstream	O75955		1	-1						N
FOS	2353	14q24.3	NO	P01100		0	0						N

FOXO3	2309	6q21	Downstre am	O43524		1	-1						N
FTSJ3	117246	17q23.3	Upstream	Q8IY81		0	0						N
FYN	2534	6q21	Downstre am	P06241		3	-3						N
GAB2	9846	11q14.1	NO	Q9UQC2	7	3	4	3	2	2	0		Y
GAL	51083	11q13.3	NO	P22466		1	-1						N
GALP	85569	19q13.43	Linkage	Q9UBC7	2	3	-1	1					Y
GAPDH	2597	12p13	NO	P04406	4	1	3			2	-2		N
GAPDHS	26330	19q13.12	Linkage	O14556	4	4	0			1	-1		Y
GBA	2629	1q21	Linkage	P04062		2	-2						N
GBP2	2634	1p22.2	Linkage	P32456		0	0						N
GC	2638	4q12-q13	NO	P02774		2	-2						N
GCK	2645	7p15.3- p15.1	Linkage	P35557		1	-1						N
GLO1	2739	6p21.3- p21.1	Upstream	Q04760		4	-4						N
GLOD4	51031	17p13.3	Upstream	Q9HC38	1		1						N
GLP1R	2740	6p21	Upstream	P43220		1	-1						N
GMEB1	10691	1p35.3	Upstream	Q9Y692		2	-2						N
GMEB2	26205	20q13.33	NO	Q9UKD1		2	-2						N
GNA11	2767	19p13.3	Upstream	P29992		0	0						N
GNB3	2784	12p13	NO	P16520	1	1	0						N
GOLM1	51280	9q21.33	Linkage2	Q8NBJ4	2	5	-3			4	-4		Y
GOT1	2805	10q24.1- q25.1	Downstre am	P17174		4	-4	2					Y
GPD1	2819	12q12-q13	NO	P21695		1	-1						N
GRB10	2887	7p12.2	Linkage	Q13322		1	-1						N
GRB14	2888	2q22-q24	NO	Q14449		2	-2						N
GRB2	2885	17q24-q25	Linkage	P62993		1	-1						N
GRB7	2886	17q12	Upstream	Q14451		1	-1						N
GRIN2B	2904	12p12	NO	Q13224		3	-3						N
GRIN3A	116443	9q31.1	Linkage2	Q8TCU5		0	0						N
GRIN3B	116444	19p13.3	Upstream	O60391		0	0						N
GRN	2896	17q21.32	Upstream	P28799	2	3	-1	1					Y
GSK3B	2932	3q13.3	Linkage	P49841	3	1	2		2		2		N
GSTM1	2944	1p13.3	Linkage	P09488	1	1	0						Y
GSTM3	2947	1p13.3	Linkage	P21266	2	1	1	1					N
GSTM4	2948	1p13.3	Linkage	Q03013		1	-1	1					N
GSTO1	9446	10q25.1	Downstre am	P78417		4	-4	2					Y
GSTO2	119391	10q25.1	Downstre am	Q9H4Y5		2	-2	1					N
GSTP1	2950	11q13	NO	P09211	1	2	-1	1					Y
GSTT1	2952	22q11.23	NO	P30711	1	1	0						Y
GSTZ1	2954	14q24.3	NO	O43708		3	-3						N
GYS1	2997	19q13.3	Linkage	P13807		1	-1						N
GYS2	2998	12p12.2	NO	P54840		1	-1						N
HBG2	3048	11p15.5	NO	P69892		0	0						N
HECTD2	143279	10q23.32	Linkage	Q5U5R9		2	-2						N
HFE	3077	6p21.3	Upstream	Q30201	4	9	-5	3					Y
HHEX	3087	10q23.33	Linkage	Q03014	3	8	-5	2					Y
HIF1A	3091	14q23.2	NO	Q16665		1	-1						N
HK1	3098	10q22	Linkage	P19367		2	-2						N
HK2	3099	2p13	NO	P52789		1	-1						N
HMGCR	3156	5q13.3-q14		P04035	2	2	0						Y
HMGCS1	3157	5p14-p13		Q01581		3	-3						N
HMGCS2	3158	1p13-p12	Linkage	P54868	3	6	-3						Y
HMMR	3161	5q33.2- qter		O75330		2	-2						N
HMOX1	3162	22q13.1	NO	P09601	1	3	-2						N
HMOX2	3163	16p13.3	NO	P30519		2	-2						N
HNF1B	6928	17q12	Upstream	P35680		1	-1						N
HNF4A	3172	20q13.12	NO	P41235		3	-3						N
HPCAL1	3241	2p25.1	NO	P37235	1		1						N
HPSE2	60495	10q23-q24	Downstre am	Q8WWQ2		2	-2						N
HSD11B1	3290	1q32-q41	Downstre	P28845	2		2						N

			am										
HSD11B2	3291	16q22	NO	P80365		2	-2						N
HSPA1A	3303	6p21.3	Upstream	P08107		0	0						N
HSPA1L	3305	6p21.3	Upstream	P34931		1	-1						N
HSPA5	3309	9q33.3	Downstream	P11021		0	0						N
HSPG2	3339	1p36.1-p34	Upstream	P98160	1	2	-1						Y
HTR2A	3356	13q14-q21	NO	P28223		6	-6						Y
HTR2C	3358	Xq24	NO	P28335		2	-2						N
HTR6	3362	1p36-p35	Upstream	P50406		3	-3						Y
HTRA1	5654	10q26.3	Downstream	Q92743		4	-4						N
ICAM1	3383	19p13.3-p13.2	Upstream	P05362	1	2	-1						N
IDE	3416	10q23-q25	Linkage	P14735	10	20	-10	2	1		1		Y
IFFO1	25900	12p13.3	NO	Q0D2I5		1	-1			1	-1		N
IFNG	3458	12q14	NO	P01579		2	-2						N
IFT74	80173	9p21.2	Linkage1	Q96LB3		1	-1						N
IGF1	3479	12q23.2	NO	P05019	1	2	-1						N
IGF1R	3480	15q26.3	NO	P08069		4	-4						Y
IL10	3586	1q31-q32	Downstream	P22301	11	5	6						Y
IL18	3606	11q22.2-q22.3	NO	Q14116	1	1	0						N
IL1A	3552	2q14	NO	P01583	9	12	-3	1					Y
IL1B	3553	2q14	NO	P01584	8	10	-2						Y
IL1RN	3557	2q14.2	NO	P18510	3	5	-2						N
IL33	90865	9p24.1	Upstream	O95760	3	1	2						Y
IL4	3565	5q31.1		P05112		0	0						N
IL6	3569	7p21	Linkage	P05231	12	9	3	1					N
IL8	3576	4q13-q21	NO	P10145		2	-2						Y
INPPL1	3636	11q13	NO	O15357		1	-1						N
INS	3630	11p15.5	NO	P01308		2	-2						N
INSR	3643	19p13.3-p13.2	Upstream	P06213		2	-2						N
IREB2	3658	15q25.1	NO	P48200	1	2	-1						N
IRF6	3664	1q32.3-q41	Downstream	O14896		2	-2						N
IRS1	3667	2q36	NO	P35568		5	-5						N
KANSL2	54934	12q13.11	NO	Q9H9L4		2	-2						N
KAT6B	23522	10q22.2	Linkage	Q8WYB5		4	-4						Y
KCNJ11	3767	11p15.1	NO	Q14654		1	-1						N
KCNJ6	3763	21q22.1	NO	P48051		1	-1						N
KCNMA1	3778	10q22.3	Linkage	Q12791		4	-4						Y
KIF11	3832	10q24.1	Linkage	P52732		6	-6						N
KIF18B	146909	17q21.31	Upstream	Q86Y91		1	-1		1		1		N
KLC1	3831	14q32.3	NO	Q07866	2		2						N
KLF5	688	13q22.1	NO	Q13887	1		1						N
KLK1	3816	19q13.3	Linkage	P06870		0	0						N
LAMB1	3912	7q22	Downstream	P07942		2	-2						N
LCK	3932	1p34.3	Upstream	P06239		0	0						N
LDLR	3949	19p13.2	Upstream	P01130	5	9	-4	2					Y
LHB	3972	19q13.32	Linkage	P01229		1	-1						N
LHCGR	3973	2p21	NO	P22888	1		1						N
LIPA	3988	10q23.2-q23.3	Linkage	P38571	1	8	-7						Y
LIPC	3990	15q21-q23	NO	P11150	1	6	-5	1					N
LIPE	3991	19p13.2	Linkage	Q05469		2	-2						N
LIPF	8513	10q23.31	Linkage	P07098		2	-2						N
LMNA	4000	1q22	Linkage	P02545	2	9	-7						Y
LPA	4018	6q26	Downstream	P08519		4	-4						N
LPAR5	57121	12p13.31	NO	Q9H1C0	1		1		1		-1		N
LPL	4023	8p22	Linkage	P06858	6	5	1						Y
LRAT	9227	4q32.1	NO	O95237	1	3	-2						Y
LRP1	4035	12q13-q14	NO	Q07954	8	22	-14	2					Y
LRP2	4036	2q24-q31	NO	P98164	1		1						N

LRP3	4037	19q13.11	Upstream	O75074		1	-1						N
LRP6	4040	12p13.2	NO	O75581	2	1	1						N
LRP8	7804	1p34	Upstream	Q14114		3	-3						N
LRPAP1	4043	4p16.3	NO	P30533	1	1	0						N
LRRK2	120892	12q12	NO	Q55007		0	0						N
LRRTM3	347731	10q21.3	Linkage	Q86VH5	1	2	-1		1		1		N
LSS	4047	21q22.3	NO	P48449		3	-3						N
LTA	4049	6p21.3	Upstream	P01374		5	-5						N
M6PR	4074	12p13	NO	P20645		1	-1						N
MAGI2	9863	7q21	Linkage	Q86UL8	1	2	-1						N
MAOA	4128	Xp11.3	NO	P21397	1	1	0						N
MAOB	4129	Xp11.23	NO	P27338			0						N
MAPK8IP1	9479	11p11.2	NO	Q9UQF2	1	3	-2						Y
MAPT	4137	17q21.1	Upstream	P10636	12	24	-12	3					Y
MC2R	4158	18p11.2	NO	Q01718	1	1	0						N
MCM3AP	8888	21q22.3	NO	O60318		0	0						N
MEF2A	4205	15q26	NO	Q02078	1		1						N
MEFV	4210	16p13.3	NO	O15553	1		1						N
MICA	4276	6p21.33	Upstream	Q29983	1		1						N
MICB	4277	6p21.3	Upstream	Q29980		1	-1						N
MIF	4282	22q11.23	NO	P14174		1	-1						N
MINPP1	9562	10q23	Linkage	Q9UNW1			0	2					N
MME	4311	3q25.2	Downstream	P08473	3	5	-2						Y
MMP1	4312	11q22.3	NO	P03956	1	1	0						N
MMP3	4314	11q22.3	NO	P08254	2	3	-1	1					Y
MPO	4353	17q23.1	Upstream	P05164	4	2	2						Y
MS4A4A	51338	11q12.2	NO	Q96JQ5	2		2						N
MS4A4E	643680	11q12.2	NO	Q96PG1	11		11						Y
MS4A6A	64231	11q12.1	NO	Q9H2W1	11		11						Y
MTFP1	51537	22q	NO	Q9UDX5		2	-2						N
MTHFD1	4522	14q24	NO	P11586			0	1					N
MTHFD1L	25902	6q25.1	Downstream	Q6UB35		4	-4						N
MTHFR	4524	1p36.3	Upstream	P42898		17	-17						Y
MTR	4548	1q43	Downstream	Q99707	1	6	-5						Y
MYH13	8735	17p13	Upstream	Q9UKX3	2	5	-3						Y
MYH8	4626	17p13.1	Upstream	P13535		0	0						N
NAT1	9	8p22	Linkage	P18440			0	1					N
NAT2	10	8p22	Linkage	P11245	1	1	0	2					N
NCAM2	4685	21q21.1	NO	O15394	1		1						N
NCAPD2	9918	12p13.3	NO	Q15021	4	2	2			2	-2		N
NCOA2	10499	8q13.3	Downstream	Q15596		2	-2						N
NCSTN	23385	1q22-q23	Linkage	Q92542	4	7	-3						Y
NDST2	8509	10q22	Linkage	P52849		1	-1						N
NDUFA3	4696	19q13.42	Linkage	O95167		1	-1						N
NDUFA6	4700	22q13.2	NO	P56556		3	-3						N
NDUFA8	4702	9q33.2	Downstream	P51970		4	-4						N
NDUFB7	4713	19p13.12	Upstream	P17568		1	-1						N
NDUFB8	4714	10q24.31	Downstream	O95169		1	-1						N
NDUFS1	4719	2q33-q34	NO	P28331		1	-1						N
NDUFS4	4724	5q11.1		O43181			0	2					N
NDUFS7	374291	19p13.3	Upstream	O75251		1	-1						N
NEDD9	4739	6p25-p24	Upstream	Q14511	4	6	-2						Y
NEURL	9148	10q25.1	Downstream	O76050		2	-2						N
NEUROD1	4760	2q32	NO	Q13562		3	-3						N
NEUROG3	50674	10q21.3	Linkage	Q9Y422		1	-1						N
NFKBIA	4792	14q13	NO	P25963		1	-1						N
NGB	58157	14q24.3	NO	Q9NPG2	1		1						N
NGF	4803	1p13.1	Linkage	P01138			0	1					N
NGFR	4804	17q21-q22	Upstream	P08138		1	-1	1					N
NOS1	4842	12q24.2-q24.31	NO	P29475	2		2						N

NOS2	4843	17q11.2-q12	Upstream	P35228		1	-1						N
NOS3	4846	7q36	Downstream	P29474	3	12	-9	2				1	Y
NOTCH4	4855	6p21.3	Upstream	Q99466		3	-3						Y
NPC1	4864	18q11-q12	NO	O15118	1		1						N
NPC2	10577	14q24.3	NO	P61916	1	5	-4						Y
NPY	4852	7p15.1	Linkage	P01303		2	-2						N
NQO1	1728	16q22.1	NO	P15559		2	-2						Y
NR1H2	7376	19q13.3	Linkage	P55055		2	-2						N
NR3C1	2908	5q31.3		P04150		2	-2						N
NRG1	3084	8p12	Downstream	Q02297		0	0						N
NTRK1	4914	1q21-q22	Linkage	P04629	1		1						N
NTRK2	4915	9q22.1	Linkage2	Q16620		3	-3	1	1		1		N
NUDT1	4521	7p22	Linkage	P36639		1	-1						N
NUMB	8650	14q24.3	NO	P49757		3	-3						N
NXP1	30010	7p22	Linkage	P58417	1		1						N
OAT	4942	10q26	Downstream	P04181		2	-2						N
OGG1	4968	3p26.2	Upstream	O15527	1	1	0						N
OLIG2	10215	21q22.11	NO	Q13516		3	-3						N
OLR1	4973	12p13.2-p12.3	NO	P78380	5	1	4						Y
OPTN	10133	10p13	Linkage	Q96CV9		2	-2						N
OTC	5009	Xp21.1	NO	P00480	4	4	0						Y
PARP1	142	1q41-q42	Downstream	P09874	1		1						N
PAX4	5078	7q32	Downstream	O43316		1	-1						N
PCDH11X	27328	Xq21.3	NO	Q9BZA7	6	6	0	8					Y
PCGF5	84333	10q23.32	Linkage	Q86SE9	2	2	0						Y
PCK1	5105	20q13.31	NO	P35558	5	6	-1	1					Y
PCK2	5106	14q11.2	NO	Q16822		0	0						N
PCSK9	255738	1p32.3	Upstream	Q8NBP7		0	0						N
PDCD11	22984	10q24.33	Downstream	Q14690		0	0						N
PDE3B	5140	11p15.1	NO	Q13370		3	-3						N
PFKM	5213	12q13.3	NO	P08237		1	-1						N
PGAM1	5223	10q25.3	Downstream	P18669		2	-2						N
PGBD1	84547	6p22.1	Upstream	Q96J53	2	9	-7						Y
PHKG2	5261	16p11.2	NO	P15735		0	0						N
PICALM	8301	11q14	NO	Q13492	14	3	11						Y
PIK3R1	5295	5q13.1		P27986	1	3	-2						N
PIN1	5300	19p13	Upstream	Q13526	1	5	-4						Y
PITRM1	10531	10p15.2	Upstream	Q5JRX3		3	-3						N
PLA2G1B	5319	12q23-q24.1	NO	P04054		0	0						N
PLAT	5327	8p12	Downstream	P00750	1	2	-1			2	-2		N
PLAU	5328	10q24	Linkage	P00749	12	13	-1		3		3		Y
PLCE1	51196	10q23	Downstream	Q9P212		1	-1						N
PLCG1	5335	20q12-q13.1	NO	P19174		1	-1						N
PLG	5340	6q26	Downstream	P00747		1	-1						N
PMVK	10654	1q22	Linkage	Q15126		1	-1						N
PNLI1PRP1	5407	10q25.3	Downstream	P54315		2	-2						N
PNMT	5409	17q	Upstream	P11086	1		1						N
PNP	4860	14q13.1	NO	P00491	1		1						N
POMT1	10585	9q34.1	Downstream	Q9Y6A1	3		3	1					N
POMT2	29954	14q24	NO	Q9UKY4		3	-3						N
PON1	5444	7q21.3	Downstream	P27169	3	5	-2	1	1		1		Y

PON2	5445	7q21.3	Downstream	Q15165	0	5	-5	1	1		1		Y
PON3	5446	7q21.3	Downstream	Q15166	1		1		2		2		N
POU2F1	5451	1q24.2	Linkage	P14859		0	0						N
PPARA	5465	22q13.31	NO	Q07869	1	6	-5						N
PPARD	5467	6p21.2	Upstream	Q03181		3	-3						N
PPARG	5468	3p25	Upstream	P37231	6	5	1						Y
PPARGC1A	10891	4p15.1	NO	Q9UBK2		5	-5						N
PPIL2	23759	22q11.21	NO	Q13356		3	-3						N
PPM1H	57460	12q14.1	NO	Q9ULR3	3	1	2			1	-1		N
PPP1R10	5514	6p21.3	Upstream	Q96QC0		1	-1						N
PPP1R3A	5506	7q31.1	Downstream	Q16821	1	3	-2						N
PPP1R3C	5507	10q23-q24	Linkage	Q9UQK1		2	-2						N
PPP2R1A	5518	19q13.41	Linkage	P30153		1	-1						N
PPP2R2B	5521	5q32		Q00005		0	0						N
PPP3CB	5532	10q22.2	Linkage	P16298		3	-3						N
PRDX6	9588	1q25.1	Linkage	P30041		1	-1						N
PRKAA1	5562	5p12		Q13131		2	-2						N
PRKAB2	5565	1q21.1	Linkage	Q43741		3	-3						N
PRND	23627	20pter-p12	NO	Q9UKY0	1	2	-1						N
PRNP	5621	20p13	NO	P04156	4	7	-3	2					Y
PRUNE2	158471	9q21.2	Downstream	Q8WUY3	1		1						N
PSAP	5660	10q21-q22	Linkage	P07602		2	-2						N
PSEN1	5663	14q24.3	NO	P49768	13	26	-13	2					Y
PSEN2	5664	1q31-q42	Downstream	P49810	1	8	-7	3					Y
PSENE1	55851	19q13.12	Linkage	Q9NZ42		2	-2	1					N
PSMB7	5695	9q34.11-q34.12	Downstream	Q99436		0	0						N
PSMB9	5698	6p21.3	Upstream	P28065		1	-1						N
PTEN	5728	10q23.3	Linkage	P60484		5	-5						N
PTGS2	5743	1q25.2-q25.3	Linkage	P35354	1	3	-2						N
PTPLA	9200	10p14-p13	Linkage	BOYJ81	1	2	-1			1	-1		N
PVRL2	5819	19q13.2	Linkage	Q92692	3	2	1	3					Y
PYY	5697	17q21.1	Upstream	P10082		1	-1						N
PZP	5858	12p13-p12.2	NO	P20742		1	-1						N
RASSF4	83937	10q11.21	Linkage	Q9H2L5		1	-1						N
RELN	5649	7q22	Downstream	P78509	1		1						N
REN	5972	1q32	Downstream	P00797		2	-2						N
RFC1	5981	4p14-p13	NO	P35251		0	0						N
RFTN1	23180	3p24.3	Upstream	Q14699		8	-8						Y
RGS4	5999	1q23.3	Linkage	P49798		1	-1						N
RGS6	9628	14q24.3	NO	P49758	1		1						N
RPS15	6209	19p13.3	Upstream	P62841		0	0						N
RPS6KA2	6196	6q27	Downstream	Q15349		1	-1						N
RTN3	10313	11q13	NO	Q95197		1	-1						N
RUNX1	861	21q22.3	NO	Q01196		0	0						N
RXRA	6256	9q34.3	Downstream	P19793	1		1						N
RXRB	6257	6p21.3	Upstream	P28702		2	-2						N
RXRG	6258	1q22-q23	Linkage	P48443		3	-3						N
S100B	6285	21q22.3	NO	P04271	2		2	1					N
SAMSN1	64092	21q11	NO	Q9NSI8		0	0						N
SAR1A	56681	10q22.1	Linkage	Q9NR31		1	-1						N
SCARB1	949	12q24.31	NO	Q8WTV0		1	-1						N
SCD	6319	10q24.31	Downstream	O00767		4	-4						N
SEC24C	9632	10q22.2	Linkage	P53992		2	-2						N
SEL1L	6400	14q31	NO	Q9UBV2	1		1						N
SEMA4D	10507	9q22.2	Linkage2	Q92854		1	-1						N

SEPT3	55964	22q13.2	NO	Q9UH03	1		1						N
SERPINA1	5265	14q32.1	NO	P01009	1		1						N
SERPINA3	12	14q32.1	NO	P01011	8	20	-12	2					Y
SERPINE1	5054	7q21.3-q22	Downstream	P05121	1	3	-2			1	-1		Y
SERPINF2	5345	17p13	Upstream	P08697	1	1	0			1	-1		N
SFRP5	6425	10q24.1	Downstream	Q5T4F7		2	-2						N
SGPL1	8879	10q21	Linkage	Q95470	1	2	-1						N
SGPP1	81537	14q23.2	NO	Q9BX95		1	-1						N
SH3PXD2A	9644	10q24.33	Downstream	Q5TCZ1		5	-5						Y
SIGMAR1	10280	9p13.3	Linkage1	Q99720		1	-1						N
SIRT1	23411	10q21.3	Linkage	Q96EB6		2	-2						N
SLC11A1	6556	2q35	NO	P49279		1	-1						N
SLC11A2	4891	12q13	NO	P49281	0		0	1					N
SLC18A3	6572	10q11.2	Linkage	Q16572		2	-2						N
SLC2A2	6514	3q26.1-q26.2	Downstream	P11168		3	-3						N
SLC6A3	6531	5p15.3		Q01959		1	-1						Y
SLC6A4	6532	17q11.2	Upstream	P31645	2	5	-3						Y
SLIT1	6585	10q23.3-q24	Downstream	O75093		2	-2						N
SLK	9748	10q24.33	Downstream	Q9H2G2		2	-2						N
SMAD3	4088	15q22.33	NO	P84022		3	-3						N
SNCA	6622	4q21	NO	P37840		1	-1	1					N
SNCAIP	9627	5q23.2		Q9Y6H5		1	-1						N
SNCG	6623	10q23.2-q23.3	Linkage	O76070		2	-2						N
SOAT1	6646	1q25	Linkage	P35610	3	4	-1						Y
SOD2	6648	6q25.3	Downstream	P04179		1	-1		1		1		N
SORCS1	114815	10q23-q25	Downstream	Q8WY21	2	3	-1	2	1	1	0		Y
SORCS2	57537	4p16.1	NO	Q96PQ0		2	-2		1		1		N
SORCS3	22986	10q23-q25	Downstream	Q9UPU3		2	-2			2	-2		N
SORL1	6653	11q23.2-q24.2	NO	Q92673	10	8	2	2	1	2	-1		Y
SORT1	6272	1p13.3; 1p21.3-p13.1	Upstream	Q99523		1	-1						N
SOS1	6654	2p21	NO	Q07889		1	-1						N
SOS2	6655	14q21	NO	Q07890	1	2	-1						N
SREBF1	6720	17p11.2	Upstream	P36956	1		1						N
SRGN	5552	10q22.1	Linkage	P10124		1	-1						N
SRP72	6731	4q11	NO	O76094		2	-2						N
SST	6750	3q28	Downstream	P61278	1		1						N
STH	246744	17q21.1	Upstream	Q8IWL8	0		0						N
SUPV3L1	6832	10q22.1	Linkage	Q8IYB8		1	-1						N
SYN3	8224	22q12.3	NO	O14994	1		1			1	-1		N
TACR2	6865	10q11-q21	Linkage	P21452		3	-3						N
TANC2	26115	17q23.3	Upstream	Q9HCD6		0	0						N
TANK	10010	2q24-q31	NO	Q92844		2	-2	1					N
TAP1	6890	6p21.3	Upstream	Q03518		1	-1						N
TAP2	6891	6p21.3	Upstream	Q03519	2	2	0						N
TAPBPL	55080	12p13.31	NO	Q9BX59	1		1			1	-1		N
TARDBP	23435	1p36.22	Upstream	Q13148		2	-2						N
TBP	6908	6q27	Downstream	P20226		0	0	1					N
TCF7L2	6934	10q25.3	Downstream	Q9NQB0		2	-2						N
TCN1	6947	11q11-q12	NO	P20061		1	-1						N
TCN2	6948	22q12.2	NO	P20062		4	-4						N
TET1	80312	10q21	Linkage	Q8NFU7	1		1						N
TF	7018	3q22.1	Linkage	P02787	2	10	-8	2					Y

TFAM	7019	10q21	Linkage	Q00059	5	1	4	2				Y
TFCP2	7024	12q13	NO	Q12800	6	2	4	1				Y
TGFB1	7040	19q13.1	Linkage	P01137	2	5	-3		1		1	Y
TGM4	7047	3p22-p21.33	Upstream	P49221		2	-2					N
THRA	7067	17q11.2	Upstream	P10827		3	-3	4				Y
TIMP1	7076	Xp11.3-p11.23	NO	P01033		2	-2					N
TLL2	7093	10q23-q24	Downstream	Q9Y6L7		2	-2					N
TLR4	7099	9q33.1	Downstream	O00206	2		2					N
TM4SF5	9032	17p13.3	Upstream	O14894		0	0					N
TMC5	79838	16p12.3	NO	Q6UXY8		1	-1					N
TMED8	283578	14q24.3	NO	Q6PL24		1	-1					N
TMEM132C	92293	12q24.32	NO	Q8N3T6	1		1					N
TMEM63C	57156	14q24.3	NO	Q9P1W3	1	2	-1					N
TMPRSS15	5651	21q21.1	NO	P98073	1		1					N
TNF	7124	6p21.3	Upstream	P01375	6	6	0	1				Y
TNFRSF14	8764	1p36.32	Upstream	Q92956		1	-1					N
TNFRSF1A	7132	12p13.2	NO	P19438		4	-4					Y
TNFRSF1B	7133	1p36.22	Upstream	P20333		4	-4					N
TNFRSF4	7293	1p36	Upstream	P43489		1	-1					N
TNFRSF8	943	1p36	Upstream	P28908		0	0					N
TNK1	8711	17p13.1	Upstream	Q13470	2	4	-2	1				Y
TNMD	64102	Xq21.33-q23	NO	Q9H2S6		4	-4					N
TOMM40	10452	19q13	Linkage	O96008	16		16					Y
TP53	7157	17p13.1	Upstream	P04637	1	2	-1					N
TP63	8626	3q28	Downstream	Q9H3D4	1		1					N
TP73	7161	1p36.3	Upstream	O15350	1	1	0					N
TPH1	7166	11p15.3-p14	NO	P17752		0	0					N
TRAF2	7186	9q34	Downstream	Q12933	1	1	0	1				N
TRAK2	66008	2q33	NO	O60296	3	3	0					Y
TREM2	54209	6p21.1	Linkage	Q9NZC2		0	0					N
TRPC4AP	26133	20q11.22	NO	Q8TEL6	1	2	-1		1		1	N
TSPAN15	23555	10q22.1	Linkage	O95858		1	-1					N
TTR	7276	18q12.1	NO	P02766		2	-2		1		1	N
TUBB	203068	6p21.33	Upstream	P07437		3	-3					N
UBD	10537	6p21.3	Upstream	O15205	2	7	-5					Y
UBE2D1	7321	10q21.1	Linkage	P51668		1	-1					N
UBE2I	7329	16p13.3	NO	P63279		0	0					N
UBQLN1	29979	9q22; 9q21.2-q21.3	Linkage2	Q9UMX0	3	11	-8		1	2	-1	Y
UCHL1	7345	4p14	NO	P09936	1		1					N
UCP2	7351	11q13	NO	P55851		1	-1	1				N
USF1	7391	1q22-q23	Linkage	P22415		2	-2					N
USF2	7392	19q13	Linkage	Q15853		0	0					N
VCL	7414	10q22.2	Linkage	P18206		1	-1					N
VCP	7415	9p13.3	Linkage1	P55072	1	3	-2					Y
VDR	7421	12q13.11	NO	P11473	1	1	0					N
VEGFA	7422	6p12	Linkage	P15692	2	4	-2					Y
VLDLR	7436	9p24	Upstream	P98155	3	5	-2			1	-1	Y
VPS26A	9559	10q21.1	Linkage	O75436		3	-3			2	-2	N
VPS35	55737	16q12	NO	Q96QK1		1	-1					N
WNT8B	7479	10q24	Downstream	Q93098		2	-2					N
WRN	7486	8p12	Downstream	Q14191		1	-1					N
WWC1	23286	5q34		Q8IX03	2	3	-1					Y
XRCC1	7515	19p13.2	Linkage	P18887		0	0	1				N
YWHAZ	7534	8q23.1	Downstream	P63104		1	-1					N
ZNF202	7753	11q23.3	NO	O95125		1	-1					N

ZNF292	23036	6q14.3	Downstream	O60281	1		1						N
ZWINT	11130	10q21-q22	Linkage	O95229		1	-1						N

Table number-2 GWAS sheet

G	CL	LR	U_id
APOE	19q13.2	Linkage	P02649
LRAT	4q32.1	NO	O95237
FAM113B	12q13.11	NO	Q96HM7
ATXN1	6p23	Upstream	P54253
CD33	19q13.3	Linkage	P20138
PCDH11X	Xq21.3	NO	Q9BZA7
ACAN	15q26.1	NO	P16112
BCR	22q11.23	NO	P11274
CTSS	1q21	Linkage	P25774
EBF3	10q26.3	Downstream	Q9H4W6
FAM63A	1q21.3	Linkage	Q8N5J2
GALP	19q13.43	Linkage	Q9UBC7
LMNA	1q22	Linkage	P02545
MYH13	17p13	Upstream	Q9UKX3
PCK1	20q13.31	NO	P35558
PGBD1	6p22.1	Upstream	Q96JS3
TNK1	17p13.1	Upstream	Q13470
TRAK2	2q33	NO	O60296
UBD	6p21.3	Upstream	O15205
CLU	8p21-p12	Linkage	P10909
PICALM	11q14	NO	Q13492
CHRNA7	15q14	NO	P36544
ABCA7	19p13.3	Linkage	Q8IZY2
BIN1	2q14	NO	O00499
CD2AP	6p12	Linkage	Q9Y5K6
CR1	1q32	Downstream	P17927
MS4A4A	11q12.2	NO	Q96JQ5
EPHA1	7q34	Downstream	P21709
MS4A4E	11q12.2	NO	Q96PG1
MS4A6A	11q12.1	NO	Q9H2W1
TRPC4AP	20q11.22	NO	Q8TEL6
ARSB	5q11-q13	NO	P15848
CAND1	12q14	NO	Q86VP6
EFNA5	5q21	NO	P52803
MAGI2	7q21	Linkage	Q86UL8
PRUNE2	9q21.2	Downstream	Q8WUY3
TOMM40	19q13	Linkage	O96008
GAB2	11q14.1	NO	Q9UQC2
EXOC3L2	19q13.32	Linkage	Q2M3D2
AGPAT1	6p21.3	Upstream	Q99943
ATP6V0A4	7q34	Downstream	Q9HBG4
GLOD4	17p13.3	Upstream	Q9HC38
RGS6	14q24.3	NO	P49758
TMEM132C	12q24.32	NO	Q8N3T6
CELF2	10p13	Linkage	O95319
DGKB	7p21.2	Linkage	Q9Y6T7
HPCAL1	2p25.1	NO	P37235
MTHFD1L	6q25.1	Downstream	Q6UB35
ZNF292	6q14.3	Downstream	O60281
ARL5B	10p12.31	Linkage	Q96KC2
CYP19A1	15q21.1	NO	P11511
NCAM2	21q21.1	NO	O15394
CCDC134	22q13.2	NO	Q9H6E4
EPC2	2q23.1	NO	Q52LR7
CECR2	22q11.2	NO	Q9BXF3
KIF18B	17q21.31	Upstream	Q86Y91
SYN3	22q12.3	NO	O14994
EPHA4	2q36.1	NO	P54764

NXPB1	7p22	Linkage	P58417
TP63	3q28	Downstream	Q9H3D4
C10orf112	10p12.31	Linkage	Q5VYJ5

Table number-3 Alzheimer sheet

G	Ei	CL	LR	Ui
A2M	2	12p13.31	NO	P01023
ABCA1	19	9q31.1	Linkage2	O95477
ABCA2	20	9q34	Downstream	Q9BZC7
ABCA7	10347	19p13.3	Linkage	Q8IZY2
ABCG1	9619	21q22.3	NO	P45844
ACAD8	27034	11q25	NO	Q9UKU7
ACAN	176	15q26.1	NO	P16112
ACE	1636	17q23.3	Upstream	P12821
ACTA2	59	10q23.3	Linkage	P62736
ADAM10	102	15q22	NO	O14672
ADAM12	8038	10q26.3	Downstream	O43184
AGPAT1	10554	6p21.3	Upstream	Q99943
ALDH18A1	5832	10q24.3	Linkage	P54886
ALDH2	217	12q24.2	NO	P05091
ANK3	288	10q21	Linkage	Q12955
APBB1	322	11p15	NO	O00213
APBB2	323	4p13	NO	Q92870
APH1B	83464	15q22.2	NO	Q8WW43
APOA1	335	11q23-q24	NO	P02647
APOA4	337	11q23	NO	P06727
APOA5	116519	11q23	NO	Q6Q788
APOC1	341	19q13.2	Linkage	P02654
APOC4	346	19q13.2	Linkage	P55056
APOD	347	3q26.2-qter	Downstream	P05090
APOE	348	19q13.2	Linkage	P02649
APP	351	21q21.3	NO	P05067
ARID5B	84159	10q21.2	Linkage	Q14865
ARL5B	221079	10p12.31	Linkage	Q96KC2
ARMS2	387715	10q26.13	Downstream	P0C7Q2
ARSB	411	5q11-q13		P15848
ATP6V0A4	50617	7q34	Downstream	Q9HBG4
ATXN1	6310	6p23	Upstream	P54253
BACE1	23621	11q23.2-q23.3	NO	P56817
BCAM	4059	19q13.2	Linkage	P50895
BCHE	590	3q26.1-q26.2	Downstream	P06276
BCR	613	22q11.23	NO	P11274
BDNF	627	11p13	NO	P23560
BIN1	274	2q14	NO	O00499
BLMH	642	17q11.2	Upstream	Q13867
C4A	720	6p21.3	Upstream	P0C0L4
C4B	721	6p21.3	Upstream	P0C0L5
CACNB2	783	10p12	Linkage	Q08289
CALHM1	255022	10q24.33	Downstream	Q8IU99
CAND1	55832	12q14	NO	Q86VP6
CCDC134	79879	22q13.2	NO	Q9H6E4
CCL2	6347	17q11.2-q12	Upstream	P13500
CCR2	729230	3p21.31	Upstream	P41597
CCR5	1234	3p21.31	Upstream	P51681
CD2AP	23607	6p12	Linkage	Q9Y5K6
CD33	945	19q13.3	Linkage	P20138
CDK5	1020	7q36	Downstream	Q00535
CDK5R1	8851	17q11.2	Upstream	Q15078
CECR2	27443	22q11.2	NO	Q9BXF3
CELF2	10659	10p13	Linkage	O95319
CETP	1071	16q21	NO	P11597
CFH	3075	1q32	Downstream	P08603
CH25H	9023	10q23	Linkage	O95992
CHAT	1103	10q11.2	Linkage	P28329

CHD4	1108	12p13	NO	Q14839
CHRFAM7A	89832	15q13.1	NO	Q494W8
CHRNA7	1139	15q14	NO	P36544
CHRN2	1141	1q21.3	Linkage	P17787
CLU	1191	8p21-p12	Linkage	P10909
COL25A1	84570	4q25	NO	Q9BX50
COMT	1312	22q11.21	NO	P21964
COX10	1352	17p12	Upstream	Q12887
CR1	1378	1q32	Downstream	P17927
CST3	1471	20p11.21	NO	P01034
CTNNA3	29119	10q22.2	Linkage	Q9UI47
CTSD	1509	11p15.5	NO	P07339
CTSS	1520	1q21	Linkage	P25774
CYP19A1	1588	15q21.1	NO	P11511
CYP2D6	1565	22q13.1	NO	P10635
CYP46A1	10858	14q32.1	NO	Q9Y6A2
DAPK1	1612	9q21.33	Linkage2	P53355
DDX39B	7919	6p21.3	Upstream	Q13838
DFNB31	25861	9q32	Downstream	Q9P202
DGKB	1607	7p21.2	Linkage	Q9Y6T7
DLST	1743	14q24.3	NO	P36957
DNMBP	23268	10q24.2	Downstream	Q6XZF7
DSC1	1823	18q12.1	NO	Q08554
EBF3	253738	10q26.3	Downstream	Q9H4W6
ECE1	1889	1p36.1	Upstream	P42892
EFNA5	1946	5q21		P52803
EIF2AK2	5610	2p22-p21	NO	P19525
ENTPD7	57089	10q24	Downstream	Q9NQZ7
EPC2	26122	2q23.1	NO	Q52LR7
EPHA1	2041	7q34	Downstream	P21709
EPHA4	2043	2q36.1	NO	P54764
ESR1	2099	6q25.1	Downstream	P03372
ESR2	2100	14q23.2	NO	Q92731
EXOC3L2	90332	19q13.32	Linkage	Q2M3D2
F13A1	2162	6p25.3-p24.3	Upstream	P00488
FAM113B	91523	12q13.11	NO	Q96HM7
FAM63A	55793	1q21.3	Linkage	Q8N5J2
FAS	355	10q24.1	Linkage	P25445
FDPS	2224	1q22	Linkage	P14324
GAB2	9846	11q14.1	NO	Q9UQC2
GALP	85569	19q13.43	Linkage	Q9UBC7
GAPDH	2597	12p13	NO	P04406
GAPDHS	26330	19q13.12	Linkage	O14556
GLOD4	51031	17p13.3	Upstream	Q9HC38
GOLM1	51280	9q21.33	Linkage2	Q8NBJ4
GOT1	2805	10q24.1-q25.1	Downstream	P17174
GRN	2896	17q21.32	Upstream	P28799
GSK3B	2932	3q13.3	Linkage	P49841
GSTM1	2944	1p13.3	Linkage	P09488
GSTM3	2947	1p13.3	Linkage	P21266
GSTO1	9446	10q25.1	Downstream	P78417
GSTP1	2950	11q13	NO	P09211
GSTT1	2952	22q11.23	NO	P30711
HFE	3077	6p21.3	Upstream	Q30201
HHEX	3087	10q23.33	Linkage	Q03014
HMGCR	3156	5q13.3-q14		P04035
HMGCS2	3158	1p13-p12	Linkage	P54868
HPCAL1	3241	2p25.1	NO	P37235
HSD11B1	3290	1q32-q41	Downstream	P28845
HSPG2	3339	1p36.1-p34	Upstream	P98160
HTR2A	3356	13q14-q21	NO	P28223
HTR6	3362	1p36-p35	Upstream	P50406
IDE	3416	10q23-q25	Linkage	P14735
IGF1R	3480	15q26.3	NO	P08069
IL10	3586	1q31-q32	Downstream	P22301
IL1A	3552	2q14	NO	P01583
IL1B	3553	2q14	NO	P01584

IL33	90865	9p24.1	Upstream	O95760
IL6	3569	7p21	Linkage	P05231
IL8	3576	4q13-q21	NO	P10145
KAT6B	23522	10q22.2	Linkage	Q8WYB5
KCNMA1	3778	10q22.3	Linkage	Q12791
KIF18B	146909	17q21.31	Upstream	Q86Y91
KLC1	3831	14q32.3	NO	Q07866
KLF5	688	13q22.1	NO	Q13887
LDLR	3949	19p13.2	Upstream	P01130
LHCGR	3973	2p21	NO	P22888
LIPA	3988	10q23.2-q23.3	Linkage	P38571
LMNA	4000	1q22	Linkage	P02545
LPAR5	57121	12p13.31	NO	Q9H1C0
LPL	4023	8p22	Linkage	P06858
LRAT	9227	4q32.1	NO	O95237
LRP1	4035	12q13-q14	NO	Q07954
LRP2	4036	2q24-q31	NO	P98164
LRP6	4040	12p13.2	NO	O75581
MAGI2	9863	7q21	Linkage	Q86UL8
MAPK8IP1	9479	11p11.2	NO	Q9UQF2
MAPT	4137	17q21.1	Upstream	P10636
MEF2A	4205	15q26	NO	Q02078
MEFV	4210	16p13.3	NO	O15553
MICA	4276	6p21.33	Upstream	Q29983
MME	4311	3q25.2	Downstream	P08473
MMP3	4314	11q22.3	NO	P08254
MPO	4353	17q23.1	Upstream	P05164
MS4A4A	51338	11q12.2	NO	Q96JQ5
MS4A4E	643680	11q12.2	NO	Q96PG1
MS4A6A	64231	11q12.1	NO	Q9H2W1
MTHFD1L	25902	6q25.1	Downstream	Q6UB35
MTHFR	4524	1p36.3	Upstream	P42898
MTR	4548	1q43	Downstream	Q99707
MYH13	8735	17p13	Upstream	Q9UKX3
NCAM2	4685	21q21.1	NO	O15394
NCAPD2	9918	12p13.3	NO	Q15021
NCSTN	23385	1q22-q23	Linkage	Q92542
NEDD9	4739	6p25-p24	Upstream	Q14511
NGB	58157	14q24.3	NO	Q9NPG2
NOS1	4842	12q24.2-q24.31	NO	P29475
NOS3	4846	7q36	Downstream	P29474
NOTCH4	4855	6p21.3	Upstream	Q99466
NPC1	4864	18q11-q12	NO	O15118
NPC2	10577	14q24.3	NO	P61916
NQO1	1728	16q22.1	NO	P15559
NTRK1	4914	1q21-q22	Linkage	P04629
NXPH1	30010	7p22	Linkage	P58417
OLR1	4973	12p13.2-p12.3	NO	P78380
OTC	5009	Xp21.1	NO	P00480
PARP1	142	1q41-q42	Downstream	P09874
PCDH11X	27328	Xq21.3	NO	Q9BZA7
PCGF5	84333	10q23.32	Linkage	Q86SE9
PCK1	5105	20q13.31	NO	P35558
PGBD1	84547	6p22.1	Upstream	Q96JS3
PICALM	8301	11q14	NO	Q13492
PIN1	5300	19p13	Upstream	Q13526
PLAU	5328	10q24	Linkage	P00749
PNMT	5409	17q	Upstream	P11086
PNP	4860	14q13.1	NO	P00491
POMT1	10585	9q34.1	Downstream	Q9Y6A1
PON1	5444	7q21.3	Downstream	P27169
PON2	5445	7q21.3	Downstream	Q15165
PON3	5446	7q21.3	Downstream	Q15166
PPARG	5468	3p25	Upstream	P37231
PPM1H	57460	12q14.1	NO	Q9ULR3
PRNP	5621	20p13	NO	P04156
PRUNE2	158471	9q21.2	Downstream	Q8WUY3

PSEN1	5663	14q24.3	NO	P49768
PSEN2	5664	1q31-q42	Downstream	P49810
PVRL2	5819	19q13.2	Linkage	Q92692
RELN	5649	7q22	Downstream	P78509
RFTN1	23180	3p24.3	Upstream	Q14699
RGS6	9628	14q24.3	NO	P49758
RXRA	6256	9q34.3	Downstream	P19793
S100B	6285	21q22.3	NO	P04271
SEL1L	6400	14q31	NO	Q9UBV2
SEPT3	55964	22q13.2	NO	Q9UH03
SERPINA1	5265	14q32.1	NO	P01009
SERPINA3	12	14q32.1	NO	P01011
SERPINE1	5054	7q21.3-q22	Downstream	P05121
SH3PXD2A	9644	10q24.33	Downstream	Q5TCZ1
SLC6A3	6531	5p15.3		Q01959
SLC6A4	6532	17q11.2	Upstream	P31645
SOAT1	6646	1q25	Linkage	P35610
SORCS1	114815	10q23-q25	Downstream	Q8WY21
SORL1	6653	11q23.2-q24.2	NO	Q92673
SREBF1	6720	17p11.2	Upstream	P36956
SST	6750	3q28	Downstream	P61278
SYN3	8224	22q12.3	NO	O14994
TAPBPL	55080	12p13.31	NO	Q9BX59
TET1	80312	10q21	Linkage	Q8NFU7
TF	7018	3q22.1	Linkage	P02787
TFAM	7019	10q21	Linkage	Q00059
TFCP2	7024	12q13	NO	Q12800
TGFB1	7040	19q13.1	Linkage	P01137
THRA	7067	17q11.2	Upstream	P10827
TLR4	7099	9q33.1	Downstream	O00206
TMEM132C	92293	12q24.32	NO	Q8N3T6
TMPRSS15	5651	21q21.1	NO	P98073
TNF	7124	6p21.3	Upstream	P01375
TNFRSF1A	7132	12p13.2	NO	P19438
TNK1	8711	17p13.1	Upstream	Q13470
TOMM40	10452	19q13	Linkage	O96008
TP63	8626	3q28	Downstream	Q9H3D4
TRAK2	66008	2q33	NO	O60296
TRPC4AP	26133	20q11.22	NO	Q8TEL6
UBD	10537	6p21.3	Upstream	O15205
UBQLN1	29979	9q22; 9q21.2-q21.3	Linkage2	Q9UMX0
UCHL1	7345	4p14	NO	P09936
VCP	7415	9p13.3	Linkage1	P55072
VEGFA	7422	6p12	Linkage	P15692
VLDLR	7436	9p24	Upstream	P98155
WWC1	23286	5q34		Q8IX03
ZNF292	23036	6q14.3	Downstream	O60281

Note: Abbreviations used in tables are as follow:

Uniprot_id=Ui, GENE=G, Taxonomy=T, Interactor=I, Source=S, Pubmed_ID=Pi, Interaction Type=IT,

No.of evidence=EV

Table number-4 VMINT sheet

Ui	G	T	I	T	S	REF	Pi	IT	E
P06492	UL48	10299	MED8	9606	MINT	Sato S, Tomomori- Sato C	14576168	affinity chromatography technology	1
P06492	UL48	10299	MED17	9606	MINT	Sato S, Tomomori-	14576168	affinity chromatography technology	1

						Sato C			
P06492	UL48	10299	MED29	9606	MINT	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P04296	UL29	10299	ADNP	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	BLM	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	BRCA1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	BTAF1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	CHD3	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	DDX42	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	DEK	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	EMD	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	GTFII-1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	HDAC2	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	IMPDH 2	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	LMNA	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	MCM2	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	MRE11 A	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	MSH2	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	MSH3	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	MSH6	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	NAP1L1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	PARP1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	PCNA	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	POLR1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	PP1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	PRKDC	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	PRPF19	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	RAD50	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	RBBP4	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	RCOR1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	RUVB1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SF3B1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SF3B3	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMARC A1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMCA4	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMARC	9606	MINT	Taylor	15140983	coimmunoprecipitation	1

			A5			TJ, Knipe DM.			
P04296	UL29	10299	SMRC1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMARC2	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMRD1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMCE1	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SMC1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SUPT16H	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	SYNCRIP	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	UBP7	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	WRN	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	XRCC4	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	KU86	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
P04296	UL29	10299	KU70	9606	MINT	Taylor TJ, Knipe DM.	15140983	coimmunoprecipitation	1
	UL9	10299	DPOLA	9606	MINT	Lee SS, Dong Q	7644508	Enzyme linked immunosorbent assay, Competition binding, Coimmunoprecipitation, Electrophoretic mobility shift assay	4
P10215	UL31	10299	LMNA	9606	MINT	Reynolds AE, Liang L	15140953	Pull down	2
P10218	UL34	10299	LMNA	9606	MINT	Reynolds AE, Liang L	15140953	Pull down	2
A1Z0Q5	US6	10299	PVRL1	9606	MINT	Fabre S, Reymond N	12011057	Fluorescence-activated cell sorting	1
P08393	IE110	10299	CCND3	9606	MINT	Kawaguchi Y, Van Sant C	9311810	Y2H, Pull down, Fluorescence microscopy	3
P08393	IE110	10299	HDAC3	9606	MINT	Lomonte P, Thomas J	15194749	Coimmunoprecipitation, Pull down	3
P08393	IE110	10299	HDAC4	9606	MINT	Lomonte P, Thomas J	15194749	Coimmunoprecipitation, Pull down	3
P08393	IE110	10299	HDAC5	9606	MINT	Lomonte P, Thomas J	15194749	Coimmunoprecipitation, Pull down	3
P08393	IE110	10299	HDAC7	9606	MINT	Lomonte P, Thomas J	15194749	Coimmunoprecipitation, Pull down	3
P08393	IE110	10299	USP7	9606	MINT	Everett RD, Meredith M	9847347	Coimmunoprecipitation, Pull down	3
P08393	IE110	10299	SH3KBP1	9606	MINT	Liang Y, Kurakin A	15824310	Pull down	5
P08393	IE110	10299	RNF8	9606	MINT	Lilley CE, Chaurushiya MS	20075863	Tandem affinity purification, Fluorescence microscopy	3
P08393	IE110	10299	CBL	9606	MINT	Liang Y, Kurakin A	15824310	Pull down	1
P08393	IE110	10299	UBC	9606	MINT	Lilley CE, Chaurushiya MS	20075863	Pull down	1
P08393	IE110	10299	TP53BP1	9606	MINT	Lilley CE, Chaurushiya MS	20075863	Fluorescence microscopy	2
P08393	IE110	10299	MDC1	9606	MINT	Lilley CE, Chaurushiya MS	20075863	Fluorescence microscopy	1

Table number-5 VirHostNet sheet

Ui	G	T	I	T	S	REF	Pi	IT	E
Q69091	US6	10299	TNFRSF14	9606	VIRHOSTNET	Carfi A, Willis SH	11511370	x-ray crystallography	1
Q69091	US6	10299	PVRL1	9606	VIRHOSTNET	Fabre S, Reymond N	12011057	fluorescence-activated cell sorting	1
P10238	UL54	10299	SRPK1	9606	VIRHOSTNET	Sciabica KS, Dai QJ	12660167	anti bait co-ip,experimental interaction detection	2
P10238	UL54	10299	SFRS3	9606	VIRHOSTNET	Sciabica KS, Dai QJ	12660167	two hybrid,colocalization by immunostaining	2
P10219	UL35	10299	DYNLT1	9606	VIRHOSTNET	Douglas MW, Diefenbach RJ	15117959	affinity chromatography technology,two hybrid	2
P10219	UL35	10299	MAPRE3	9606	VIRHOSTNET	Douglas MW, Diefenbach RJ	15117959	affinity chromatography technology,two hybrid	2
P10238	UL54	10299	HNRPK	9606	VIRHOSTNET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid,co-ip	3
P10238	UL54	10299	CSNK2B	9606	VIRHOSTNET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid	2
P10238	UL54	10299	LY6G5B	9606	VIRHOSTNET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid	2
P08393	IE110	10299	SH3KBP1	9606	VIRHOSTNET	Liang Y, Kurakin A	15824310	pull down	1
P08393	IE110	10299	USP7	9606	VIRHOSTNET	Everett RD, Meredith M	9847347	co-ip,pull down	2
P08393	IE110	10299	CBL	9606	VIRHOSTNET	Liang Y, Kurakin A	15824310	pull down	1
P10230	UL46	10299	DYNLT1	9606	VIRHOSTNET	Douglas MW, Diefenbach RJ	15117959	two hybrid	1
P10230	UL46	10299	MAPRE3	9606	VIRHOSTNET	Douglas MW, Diefenbach RJ	15117959	two hybrid	1
P06492	UL48	10299	CRSP6	9606	VIRHOSTNET	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P06492	UL48	10299	GTF2B	9606	VIRHOSTNET	Agostini I, Navarro JM	8800208	affinity chromatography technology	1
P06492	UL48	10299	IXL	9606	VIRHOSTNET	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P06492	UL48	10299	MED8	9606	VIRHOSTNET	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P08393	IE110	10299	HDAC9	9606	VIRHOSTNET	Lomonte P, Thomas J	15194749	co-ip,pull down	2
P08393	IE110	10299	ARNTL	9606	VIRHOSTNET	Kawaguchi Y, Tanaka M	11172044	two hybrid,pull down	2
P08393	IE110	10299	HDAC4	9606	VIRHOSTNET	Lomonte P, Thomas J	15194749	co-ip,pull down	2
P08393	IE110	10299	EEF1D	9606	VIRHOSTNET	Kawaguchi Y, Bruni R	8995621	two hybrid,pull down	2
P08393	IE110	10299	GLTSCR2	9606	VIRHOSTNET	Bruni R, Fineschi B	10196275	two hybrid,pull down	2

P08393	IE110	10299	HDAC5	9606	VIRHOSTNET	Lomonte P, Thomas J	15194749	co-ip,pull down	2
P08393	IE110	10299	CCND3	9606	VIRHOSTNET	Van Sant C, Kawaguchi Y	10393969	affinity chromatography technology,two hybrid,co-ip	3
P10193	UL9	10299	FBXO2	9606	VIRHOSTNET	Eom CY, Lehman IR.	11854491	two hybrid	1
P10193	UL9	10299	DCTN1	9606	VIRHOSTNET	Eom CY, Lehman IR.	11854491	two hybrid	1
P10193	UL9	10299	DNAJA3	9606	VIRHOSTNET	Eom CY, Lehman IR.	11854491	two hybrid,co-ip	2
P10218	UL34	10299	EMD	9606	VIRHOSTNET	Leach N, Bjerke SL	17652388	co-ip,pull down	2
P10225	UL41	10299	EIF4A2	9606	VIRHOSTNET	Feng P, Everly DN Jr	16014927	co-ip,pull down	2
P10225	UL41	10299	EIF4H	9606	VIRHOSTNET	Feng P, Everly DN Jr	16014927	affinity chromatography technology,two hybrid,co-ip	5
P10225	UL41	10299	LOC653994	9606	VIRHOSTNET	Feng P, Everly DN Jr	16014927	affinity chromatography technology,two hybrid,co-ip	5
P10238	UL54	10299	C1QBP	9606	VIRHOSTNET	Bryant HE, Matthews DA	11070032	two hybrid,co-ip	2
P04485	US1	10299	MCRS1	9606	VIRHOSTNET	Bruni R, Roizman B.	9765390	in vitro,two hybrid	2
P04485	US1	10299	GLTSCR2	9606	VIRHOSTNET	Bruni R, Fineschi B	10196275	two hybrid,pull down	2
P06480	US5	10299	SNAPAP	9606	VIRHOSTNET	Aubert M, Chen Z	17959661	two hybrid	1
P06480	US5	10299	ATP5G3	9606	VIRHOSTNET	Aubert M, Chen Z	17959661	two hybrid	1
P06480	US5	10299	ATP6	9606	VIRHOSTNET	Aubert M, Chen Z	17959661	two hybrid	1
P04487	US11	10299	HIPK2	9606	VIRHOSTNET	Giraud S, Diaz-Latoud C	14990717	two hybrid	1
P36313	RL1	10299	BECN1	9606	VIRHOSTNET	Orvedahl A, Alexander D	18005679	co-ip,two hybrid	2
P36313	RL1	10299	TBK1	9606	VIRHOSTNET	Verpooten D, Ma Y	19010780	co-ip	1
P04296	UL29	10299	BTAF1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCA5	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SYNCRIP	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SF3B1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	POLR1A	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	LMNA	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10215	UL31	10299	LMNA	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10218	UL34	10299	LMNA	9606	VIRHOSTNET	Reynolds AE, Liang L	15140953	pull down	1
P04296	UL29	10299	MLL2	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PPL	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PARP1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10193	UL9	10299	POLA1	9606	VIRHOSTNET	Lee SS, Dong Q	7644508	co-ip,electrophoretic mobility shift assay,ELISA	3
P04296	UL29	10299	BZRAP1	9606	VIRHOSTNET	Taylor TJ, Knipe	15140983	co-ip	1

						DM.			
P04296	UL29	10299	PCNA	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	IMPDH2	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	XRCC6	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10238	UL54	10299	NFKBIA	9606	VIRHOSTNET	Kim JC, Lee SY	18539148	anti tag co-ip,anti bait co-ip,pull down	3
P04296	UL29	10299	SMARCA1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MSH2	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MCM2	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MRE11A	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	EMD	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	BLM	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	NAP1L1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PPP1CA	9606	VIRHOSTNET	Zhang C, Tang J	18068675	bimolecular fluorescence complementation,co-ip	2
P36313	RL1	10299	PPP1CA	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	GTF2I	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	CHD3	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	XRCC4	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	WRN	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMC1A	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SF3B3	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	LRCH4	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	DMAP1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MTMR15	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	DDX42	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	HDAC2	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCC1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	USP7	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	KRT222P	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCE1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCD1	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	ADNP	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SUPT16H	9606	VIRHOSTNET	Taylor TJ, Knipe DM.	15140983	co-ip	1

Table number-6 Literature sheet

Ui	G	T	I	T	S	REF	IT	E
P10211	UL27	10299	HS3ST6	9606	Oh MJ, Akhtar J	19909728	Western blot analysis,Flourescence analysis	2
P10228	UL44	10299	HS3ST6	9606	Shukla D, Liu J	10520990	Protein binding assay	1
Q69091	US6	10299	HS3ST6	9606	Bergefall K, Trybala E	16027159	Protein binding assay,ELISA	2
P10211	UL27	10299	CSPG4	9606	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
P10228	UL44	10299	CSPG4	9606	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
Q69091	US6	10299	CSPG4	9606	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
P10211	UL27	10299	APOE	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOC2	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOB	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOA	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOA1	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOA2	9606	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	CD209	9606	de Jong MA, de Witte L	18796707	ELISA,Fluorescent bead adhesion assay,Confocal microscopy,flow cytometry	4
P10228	UL44	10299	CD209	9606	de Jong MA, de Witte L	18796707	ELISA,Fluorescent bead adhesion assay,Confocal microscopy,flow cytometry	4
Q69091	US6	10299	M6PR	9606	Brunetti CR, Burke RL	8006011	Structure Activity Relationship,Co-Immunoprecipitation	2
Q69091	US6	10299	IGF2R	9606	Brunetti CR, Burke RL	8006011	Structure Activity Relationship,Co-Immunoprecipitation	2
P06477	UL22	10299	ITGB3	9606	Parry C, Bell S	15604426	Cell binding assay	1
P10228	UL44	10299	ITGAM	9606	Altieri DC, Etingin OR	1957171	Protein Confermation	1
P04294	UL12	10299	NCL	9606	Sagou K, Uema M	19955312	Co-Immunoprecipitation,Immunoblotting,Confocal Microscopy	3
P10211	UL27	10299	PILRA	9606	Arii J, Uema M	19244335	Electron microscopy,Ultrastructural analysis,Confocal Microscopy	3
Q69091	US6	10299	PVRL1	9606	Connolly SA, Whitbeck JJ	11162814	ELISA,Binding Assay	2
Q69091	US6	10299	SDC2	9606	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P06477	UL22	10299	ITGAM	9606	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P06477	UL22	10299	ITPR1	9606	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P10218	UL34	10299	DYNC111	9606	Ye GJ, Vaughan KT	10627546	Immunoblotting,Pull down	2
P08393	IE110	10299	TAU	9606	Mingyu Liu, Edward E	PlosOne	Immunofluorescence staining	1
P10219	UL35	10299	APP	9606	Cheng SB, Ferland P	21483850	Immuno-fluorescence, Immuno-gold electron-microscopy and Live cell confocal imaging	3
P04487	US11	10299	PAT1	9606	Benboudjema L, Mulvey M	12915535	Yeast two-hybrid screen,Fluorescence microscopy	2
P04487	US11	10299	KIF5B	9606	Diefenbach RJ	11884553	Immunoblotting,Bait-prey	2
P04293	UL30	10299	HSP90AA1	9606	Burch AD, Weller SK	16051866	Southern blot analysis,Immunofluorescence microscopy	2
P10211	UL27	10299	EIF2KA3	9606	Mulvey M, Arias C	17229688	Co-Immunoprecipitation	1
P10238	UL54	10299	SAP145	9606	Bryant HE, Wadd SE	11287586	Western blotting,pull-down,co-ip	3
P10233	UL49	10299	RNF10	9606	Li M, Wang L	21424732	yeast two-hybrid,Immuno-fluorescence	2

P10233	UL49	10299	WDR42 A	9606	Li M, Wang L	21424732	yeast two-hybrid,Immuno-fluorescence	2
P08393	IE11 0	10299	CDC34	9606	Van Sant C, Hagglund d R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE11 0	10299	PSMA2	9606	Van Sant C, Hagglund d R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE11 0	10299	PSMA3	9606	Van Sant C, Hagglund d R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE11 0	10299	PSMA7	9606	Van Sant C, Hagglund d R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE11 0	10299	RNF8	9606	Lilley CE, Chaurushiya MS	20075863	Affinity purifications,In vitro ubiquitination assay,FRAP analysis	3
P08393	IE11 0	10299	SENP1	9606	Bailey D, O'Hare P	12466471	Colocalization	1
P08393	IE11 0	10299	CDC34	9606	Hagglund R, Roizman B	12060736	In vitro ubiquitination assay,Immunoprecipitation	2
P08393	IE11 0	10299	PML	9606	Gu H, Roizman B	12855769	immunofluorescence,	1
P08393	IE11 0	10299	SP100	9606	Gu H, Roizman B	12855769	immunofluorescence,	1
P08393	IE11 0	10299	USP7	9606	Boutell C, Canning M	16160161	siRNA analysis,Western blot analysis	2
P08393	IE11 0	10299	CCND3	9606	Kalamvoki M, Roizman B	19706544	immunofluorescence,	1
P08393	IE11 0	10299	CDC2	9606	Advani SJ, Weichselbau m RR	10995483	PAGE	1
P10226	UL42	10299	CDC2	9606	Advani SJ, Weichselbau m RR	11581401	Pull down,immunoprecipitation	2
P04485	US1	10299	CDC25 C	9606	Smith-Donald BA, Roizman B	18272572	Pull down,immunoprecipitation,Immunoblotting	3
P08393	IE11 0	10299	CDK4	9606	Kalamvoki M, Roizman B	20660182	Immunofluorescence,Pull down	2
P08392	IE17 5	10299	CDK4	9606	Kalamvoki M, Roizman B	20660182	Immunofluorescence,Pull down	2
P04296	UL29	10299	CDK4	9606	Kalamvoki M, Roizman B	20660182	Pull down	1
P04485	US1	10299	CDK9	9606	Durand LO, Roizman B	18753202	Immunofluorescence,Immunoprecipitation,Co- localization	3
P10228	UL44	10299	C3	9606	Kostasavili I, Sahu A	9029114	Direct ELISA,Competitive ELISA	2
P04487	US11	10299	PRKRA	9606	Peters GA, Khoo D	12368348	Immunofluorescence,Immunoprecipitation,We stern blotting	3
P10211	UL27	10299	HLA- DMA	9606	Neumann J, Eis- Hübinger AM	12960333	Co-immunoprecipitation	1
P10211	UL27	10299	HLA- DMB	9606	Neumann J, Eis- Hübinger AM	12960333	Co-immunoprecipitation	1
P10211	UL27	10299	HLA- DRB1	9606	Sievers E, Neumann J	12225371	Western blotting,co-ip	2
P10211	UL27	10299	HLA- DRB3	9606	Sievers E, Neumann J	12225371	Western blotting,co-ip	2
P10211	UL27	10299	HLA- DRB4	9606	Sievers E, Neumann J	12225371	Western blotting,co-ip	2
P04413	US3	10299	IFNGR1	9606	Liang L, Roizman B	18321964	Immunoblotting,Immunoprecipitation	2
P08393	IE11 0	10299	IRF3	9606	Melroe GT, Silva L	17126870	Immunofluorescence,Immunoprecipitation,We stern blotting	3
P08393	IE11 0	10299	CREBB P	9606	Melroe GT, Silva L	17126870	Immunofluorescence,Immunoprecipitation,We stern blotting	3
P08393	IE11 0	10299	EP300	9606	Melroe GT, Silva L	17126870	Immunofluorescence,Immunoprecipitation,We stern blotting	3
P04487	US11	10299	OAS1	9606	Sánchez R, Mohr I.	17229694	Co-immunoprecipitation,western blotting	2

P04487	US11	10299	OAS2	9606	Sánchez R, Mohr I.	17229694	Co-immunoprecipitation,western blotting	2
P03170	US12	10299	TAP1	9606	Galocha B, Hill A	9151894	Photocross-linking,Co-immunoprecipitation	2
P03170	US12	10299	TAP2	9606	Galocha B, Hill A	9151894	Photocross-linking,Co-immunoprecipitation	2
P10221	UL37	10299	TRAF6	9606	Liu X, Fitzgerald K	18682563	Co-immunoprecipitation,western blotting	2
P04291	UL14	10299	MED8	9606	Wu F, Xing J	21512757	Y2H,Immunofluorescent assay	2
P04291	UL14	10299	RUNX3	9606	Wu F, Xing J	21512757	Y2H	1
P04291	UL14	10299	ARRB2	9606	Wu F, Xing J	21512757	Y2H	1
P04291	UL14	10299	CRBN	9606	Wu F, Xing J	21512757	Y2H	1
P04291	UL14	10299	TSC22 D3	9606	Wu F, Xing J	21512757	Y2H,Immunofluorescent assay,Co-immunoprecipitation	3
P36313	RL1	10299	CHUK	9606	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P36313	RL1	10299	PPP1R 12A	9606	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P36313	RL1	10299	PPP1R 12C	9606	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P08393	IE11 0	10299	USP7	9606	Daubeuf S, Singh D	18952891	Co-immunoprecipitation	1
P10191	UL7	10299	SLC25A 5	9606	Tanaka M, Sata T	18940012	Co-immunoprecipitation,MS	2
P04293	UL30	10299	KPNA1	9606	Alvisi G, Musiani D	17640102	Confocal laser scanning microscopy,Fluorescent binding assays	2
P04293	UL30	10299	KPNB1	9606	Alvisi G, Musiani D	17640102	Confocal laser scanning microscopy,Fluorescent binding assays	2
P10209	UL25	10299	CAN	9606	Pasdeloup D, Blondel D	19386703	Co-immunoprecipitation,western blotting	2
P10220	UL36	10299	RNPB2	9606	Copeland AM, Newcomb WW	19073727	Immunofluorescence,siRNA	2
P10220	UL36	10299	CAN	9606	Copeland AM, Newcomb WW	19073727	Immunofluorescence,siRNA	2
P10219	UL35	10299	TSPAN 7	9606	Wang L, Liu L	20630051	Immunoprecipitation,Protein binding assay	2
P08393	IE11 0	10299	ATRIP	9606	Wilkinson DE, Weller SK	16757521	Colocalization	1
P08393	IE11 0	10299	CENPB	9606	Lomonte P, Morency E.	17258208	co-ip	1
P06492	UL48	10299	POU2F 1	9606	Herrera FJ, Triezenberg SJ.	15331701	ChIP assay,Immunoprecipitation	2
P06492	UL48	10299	Oct-01	9606	Herrera FJ, Triezenberg SJ.	15331701	ChIP assay,Immunoprecipitation	2
P04413	US3	10299	EMD	9606	Morris JB, Hofemeister H	17301149	Immunolocalization,Immunoprecipitation	2
P06492	UL48	10299	GTF2B	9606	Gupta R, Emili A	8710503	Affinity column	1
P06492	UL48	10299	TGF2H 1	9606	Di Lello P, Nguyen BD	15909982	NMR	2
P06492	UL48	10299	MED25	9606	Mittler G, Stühler T	14657022	Immunoprecipitation	1
P10238	UL54	10299	NFX1	9606	Johnson LA, Li L	19369354	siRNA	1
P10238	UL54	10299	PABCA 1	9606	Dobrikova E, Shveygert M	19864386	Pull-down,Immunoprecipitation,Immunofluorescence	3
P10231	UL47	10299	PABCA 1	9606	Dobrikova E, Shveygert M	19864386	Pull-down,Immunoprecipitation,Immunofluorescence	3
P36313	RL1	10299	PCNA	9606	Harland J, Dunn P	12907392	Western blotting,Immunoprecipitation	2
P10238	UL54	10299	SRPK1	9606	Souki SK, Sandri-Goldin RM	19553338	Colocalization,co-ip	2
P10238	UL54	10299	ALYREF	9606	Souki SK, Sandri-Goldin RM	19553338	Colocalization,co-ip	2
P10226	UL42	10299	TOP2A	9606	Advani SJ, Weichselbaum RR	12665617	Immunoblotting,Immunoprecipitation	2
P08393	IE11 0	10299	TP53	9606	Boutell C, Everett RD.	12855695	Confocal microscopy,Fluorescent microscopy	2

P10225	UL41	10299	ZFP36	9606	Esclatine A, Taddeo B	15280467	co-ip	1
P08393	IE110	10299	CHK2	9606	Li H, Baskaran R	18321553	Immunoblotting	1
P08393	IE110	10299	CDC25C	9606	Li H, Baskaran R	18321553	Immunoblotting	1
P04413	US3	10299	PDCD4	9606	Wang X, Patenode C	21844356	co-ip,Pull down	2
P08543	UL39	10299	RIP1	9606	Dufour F, Bertrand L	21697465	co-ip	1
P08543	UL39	10299	CASP8	9606	Dufour F, Bertrand L	21697465	co-ip	1
P04413	US3	10299	CASP3	9606	Benetti L, Roizman B.	17634220	PAGE	1
P04413	US3	10299	BID	9606	Cartier A, Broberg E	12934063	Western blotting,Flourescence microscopy	2
P04413	US3	10299	BAD	9606	Kato A, Yamamoto M	15994828	Kinase assay	1
P10238	UL54	10299	EIF4G	9606	Bryant HE, Wadd SE	11287586	co-ip,MS	2
P10238	UL54	10299	EIF3B	9606	Fontaine-Rodriguez EC, Taylor TJ	15567442	co-ip,MS	2
P10238	UL54	10299	EIF3F	9606	Fontaine-Rodriguez EC, Taylor TJ	15567442	co-ip,MS	2
P10225	UL41	10299	EIF4F	9606	Page HG, Read GS.	20427534	Pull down	1
P04290	UL13	10299	EEF1D	9606	Kawaguchi Y, Van Sant C	9499021	Immunoprecipitation	1
P36313	RL1	10299	PPP1R15A	9606	Li W, Cun W	21622569	In vivo and in vivo assay	1
P36313	RL1	10299	EIF2A	9606	Li W, Cun W	21622569	In vivo and in vivo assay	1
P08393	IE110	10299	KAT2B	9606	Li W, Cun W	19809866		
P04296	UL29	10299	ASF1B	9606	Peng H, Nogueira ML	20133788	Colocalization	1
P04296	UL29	10299	HCF1	9606	Peng H, Nogueira ML	20133788	Colocalization	1
P04293	UL30	10299	HCF1	9606	Peng H, Nogueira ML	20133788	Y2H,Immunoprecipitation	2
P10236	UL52	10299	HCF1	9606	Peng H, Nogueira ML	20133788	Y2H,Immunoprecipitation	2
P10193	UL9	10299	HCF1	9606	Peng H, Nogueira ML	20133788	Y2H,Immunoprecipitation	2
P08393	IE110	10299	RCOR1	9606	Gu H, Roizman B.	18945770	Immunoprecipitation	1
P08392	IE175	10299	RPL22	9606	Leopardi R, Roizman B.	8643445	Y2H,co-ip	2
P04294	UL12	10299	MRE11	9606	Balasubramanian N, Bai P	20943970	co-ip	1
P04294	UL12	10299	RAD50	9606	Balasubramanian N, Bai P	20943970	co-ip	1
P04296	UL29	10299	RAD51	9606	Wilkinson DE, Weller SK.	15078960	Western blotting,immunoflourpscence	2
P04296	UL29	10299	NBN	9606	Wilkinson DE, Weller SK.	15078960	Western blotting,immunoflourpscence	2
P04296	UL29	10299	RPA2	9606	Wilkinson DE, Weller SK.	15078960	Western blotting,immunoflourpscence	2
P10230	UL46	10299	LCK	9606	Wagner MJ, Smiley JR.	19776125	Immunoprecipitation,Western blotting	2

Table number-7 Virus-Host sheet

Ui	G	T	I	T	S	REF	Pi	IT	E
P06492	UL48	10299	MED8	9606	MINT	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P06492	UL48	10299	MED17	9606	MINT	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P06492	UL48	10299	MED29	9606	MINT	Sato S, Tomomori-Sato C	14576168	affinity chromatography technology	1
P04296	UL29	10299	ADNP	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	BLM	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	BRCA1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	BTAF1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	CHD3	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	DDX42	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	DEK	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	EMD	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	GTFII-1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	HDAC2	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	IMPDPH2	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	LMNA	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MCM2	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MRE11A	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MSH2	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MSH3	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	MSH6	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	NAP1L1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PARP1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PCNA	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	POLR1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PP1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PRKDC	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PRPF19	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	RAD50	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	RBBP4	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	RCOR1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1

P04296	UL29	10299	RUVB1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SF3B1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SF3B3	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCA1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMCA4	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCA5	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMRC1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMARCC2	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMRD1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMCE1	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SMC1A	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SUPT16H	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	SYNCRIP	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	UBP7	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	WRN	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	XRCC4	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	KU86	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	KU70	9606	MINT	Taylor TJ, Knipe DM.	15140983	co-ip	1
	UL9	10299	DPOLA	9606	MINT	Lee SS, Dong Q	7644508	ELISA, Competition binding, co-ip, Electrophoretic mobility shift assay	4
P10215	UL31	10299	LMNA	9606	MINT	Reynolds AE, Liang L	15140953	Pull down	2
P10218	UL34	10299	LMNA	9606	MINT	Reynolds AE, Liang L	15140953	Pull down	2
A1Z0Q5	US6	10299	PVRL1	9606	MINT	Fabre S, Reymond N	12011057	Fluorescence-activated cell sorting	1
P08393	IE110	10299	CCND3	9606	MINT	Kawaguchi Y, Van Sant C	9311810	Y2H, Pull down, Fluorescence microscopy	3
P08393	IE110	10299	HDAC4	9606	MINT	Lomonte P, Thomas J	15194749	co-ip, Pull down	3
P08393	IE110	10299	HDAC5	9606	MINT	Lomonte P, Thomas J	15194749	co-ip, Pull down	3
P08393	IE110	10299	HDAC7	9606	MINT	Lomonte P, Thomas J	15194749	co-ip, Pull down	3
P08393	IE110	10299	USP7	9606	MINT	Everett RD, Meredith M	9847347	co-ip, Pull down	3
P08393	IE110	10299	SH3KBP1	9606	MINT	Liang Y, Kurakin A	15824310	Pull down	5
P08393	IE110	10299	RNF8	9606	MINT	Lilley CE, Chaurushiy a MS	20075863	Tandem affinity purification, Fluorescence microscopy	3
P08393	IE110	10299	CBL	9606	MINT	Liang Y, Kurakin A	15824310	Pull down	1
P08393	IE110	10299	UBC	9606	MINT	Lilley CE, Chaurushiy a MS	20075863	Pull down	1
P08393	IE110	10299	TP53BP1	9606	MINT	Lilley CE, Chaurushiy a MS	20075863	Fluorescence microscopy	2
P08393	IE11	10299	MDC1	9606	MINT	Lilley	20075863	Fluorescence microscopy	1

	0					CE, Chaurushiy a MS			
Q69091	US6	10299	TNFRSF1 4	9606	VIRH OSTN ET	Carfí A, Willis SH	11511370	x-ray crystallography	1
P10238	UL54	10299	SRPK1	9606	VIRH OSTN ET	Sciabica KS, Dai QJ	12660167	anti bait co-ip,experimental interaction detection	2
P10238	UL54	10299	SFRS3	9606	VIRH OSTN ET	Sciabica KS, Dai QJ	12660167	two hybrid,colocalization by immunostaining	2
P10219	UL35	10299	DYNLT1	9606	VIRH OSTN ET	Douglas MW, Diefenba ch RJ	15117959	affinity chromatography technology,two hybrid	2
P10219	UL35	10299	MAPRE3	9606	VIRH OSTN ET	Douglas MW, Diefenba ch RJ	15117959	affinity chromatography technology,two hybrid	2
P10238	UL54	10299	HNRPK	9606	VIRH OSTN ET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid,co-ip	3
P10238	UL54	10299	CSK2B	9606	VIRH OSTN ET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid	2
P10238	UL54	10299	LY6G5B	9606	VIRH OSTN ET	Wadd S, Bryant H	10506147	affinity chromatography technology,two hybrid	2
P10230	UL46	10299	DYNLT1	9606	VIRH OSTN ET	Douglas MW, Diefenba ch RJ	15117959	two hybrid	1
P10230	UL46	10299	MAPRE3	9606	VIRH OSTN ET	Douglas MW, Diefenba ch RJ	15117959	two hybrid	1
P06492	UL48	10299	GTF2B	9606	VIRH OSTN ET	Agostini I, Navarro JM	8800208	affinity chromatography technology	1
P08393	IE11 0	10299	ARNTL	9606	VIRH OSTN ET	Kawaguchi Y, Tanaka M	11172044	two hybrid,pull down	2
P08393	IE11 0	10299	EEF1D	9606	VIRH OSTN ET	Kawaguchi Y, Bruni R	8995621	two hybrid,pull down	2
P08393	IE11 0	10299	GLTSCR2	9606	VIRH OSTN ET	Bruni R, Fineschi B	10196275	two hybrid,pull down	2
P08393	IE11 0	10299	CCND3	9606	VIRH OSTN ET	Van Sant C, Kawaguchi Y	10393969	affinity chromatography technology,two hybrid,co-ip	3
P10193	UL9	10299	FBXO2	9606	VIRH OSTN ET	Eom CY, Lehman IR.	11854491	two hybrid	1
P10193	UL9	10299	DCTN1	9606	VIRH OSTN ET	Eom CY, Lehman IR.	11854491	two hybrid	1
P10193	UL9	10299	DNJA3	9606	VIRH OSTN ET	Eom CY, Lehman IR.	11854491	two hybrid,co-ip	2
P10218	UL34	10299	EMD	9606	VIRH OSTN ET	Leach N, Bjerke SL	17652388	co-ip,pull down	2
P10225	UL41	10299	EIF4A2	9606	VIRH OSTN ET	Feng P, Everly DN Jr	16014927	co-ip,pull down	2
P10225	UL41	10299	EIF4H	9606	VIRH OSTN ET	Feng P, Everly DN Jr	16014927	affinity chromatography technology,two hybrid,co-ip	5
P10238	UL54	10299	C1QBP	9606	VIRH OSTN ET	Bryant HE, Matthews DA	11070032	two hybrid,co-ip	2
P04485	US1	10299	MCRS1	9606	VIRH OSTN	Bruni R, Roizman B.	9765390	in vitro,two hybrid	2

					ET				
P04485	US1	10299	GLTSCR2	9606	VIRH OSTN ET	Bruni R, Fineschi B	10196275	two hybrid,pull down	2
P06480	US5	10299	SNAPIN	9606	VIRH OSTN ET	Aubert M, Chen Z	17959661	two hybrid	1
P06480	US5	10299	ATP5G3	9606	VIRH OSTN ET	Aubert M, Chen Z	17959661	two hybrid	1
P06480	US5	10299	MT-ATP6	9606	VIRH OSTN ET	Aubert M, Chen Z	17959661	two hybrid	1
P04487	US11	10299	HIPK2	9606	VIRH OSTN ET	Giraud S, Diaz- Latoud C	14990717	two hybrid	1
P36313	RL1	10299	BECN1	9606	VIRH OSTN ET	Orvedahl A, Alexander D	18005679	co-ip,two hybrid	2
P36313	RL1	10299	TBK1	9606	VIRH OSTN ET	Verpooten D, Ma Y	19010780	co-ip	1
P04296	UL29	10299	MLL2	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	PPL	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	BZRAP1	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10238	UL54	10299	IKBA	9606	VIRH OSTN ET	Kim JC, Lee SY	18539148	anti tag co-ip,anti bait co-ip,pull down	3
P36313	RL1	10299	PP1A	9606	VIRH OSTN ET	Zhang C, Tang J	18068675	bimolecular fluorescence complementation,co-ip	2
P04296	UL29	10299	LRCH4	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	DMAP1	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	FAN1	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P04296	UL29	10299	KRT222P	9606	VIRH OSTN ET	Taylor TJ, Knipe DM.	15140983	co-ip	1
P10211	UL27	10299	HS3ST6	9606	Litera ture	Oh MJ, Akhtar J	19909728	Western blot analysis,Flourescence analysis	2
P10228	UL44	10299	HS3ST6	9606	Litera ture	Shukla D, Liu J, Blaiklock P	10520990	Protein binding assay	1
Q69091	US6	10299	HS3ST6	9606	Litera ture	Bergefall K, Trybala E	16027159	Protein binding assay,ELISA	2
P10211	UL27	10299	CSPG4	9606	Litera ture	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
P10228	UL44	10299	CSPG4	9606	Litera ture	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
Q69091	US6	10299	CSPG4	9606	Litera ture	Banfield BW, Leduc Y	7747425	Viral plaque assay	1
P10211	UL27	10299	APOE	9606	Litera ture	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOC2	9606	Litera ture	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOB	9606	Litera ture	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	LPA	9606	Litera ture	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3

P10211	UL27	10299	APOA1	9606	Literature	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	APOA2	9606	Literature	Huemer HP, Menzel HJ	2842273	ELISA,Column chromatography,Electron microscopy	3
P10211	UL27	10299	CD209	9606	Literature	de Jong MA, de Witte L	18796707	ELISA,Fluorescent bead adhesion assay,Confocal microscopy,flow cytometry	4
P10228	UL44	10299	CD209	9606	Literature	de Jong MA, de Witte L	18796707	ELISA,Fluorescent bead adhesion assay,Confocal microscopy,flow cytometry	4
Q69091	US6	10299	M6PR	9606	Literature	Brunetti CR, Burke RL	8006011	Structure Activity Relationship,Co-Immunoprecipitation	2
Q69091	US6	10299	IGF2R	9606	Literature	Brunetti CR, Burke RL	8006011	Structure Activity Relationship,Co-Immunoprecipitation	2
P06477	UL22	10299	ITGB3	9606	Literature	Parry C, Bell S	15604426	Cell binding assay	1
P10228	UL44	10299	ITGAM	9606	Literature	Altieri DC, Etingin	1957171	Protein Conformation	1
P04294	UL12	10299	NCL	9606	Literature	Sagou K, Uema M	19955312	Co-Immunoprecipitation,Immunoblotting, Confocal Microscopy	3
P10211	UL27	10299	PILRA	9606	Literature	Arii J, Uema M	19244335	Electron microscopy,Ultrastructural analysis,Confocal Microscopy	3
Q69091	US6	10299	PVRL1	9606	Literature	Connolly SA, Whitbeck JJ	11162814	ELISA,Binding Assay	2
Q69091	US6	10299	SDC2	9606	Literature	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P06477	UL22	10299	ITGAM	9606	Literature	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P06477	UL22	10299	ITPR1	9606	Literature	Cheshenko N, Liu W	17553929	siRNA Transfections,Binding Assay,Confocal Microscopy	3
P10218	UL34	10299	DC111	9606	Literature	Ye GJ, Vaughan KT	10627546	Immunoblotting,Pull down	2
P08393	IE110	10299	TAU	9606	Literature	Mingyu Liu, Edward E. Schmidt	PlosOne	Immunofluorescence staining	1
P10219	UL35	10299	A4	9606	Literature	Cheng SB, Ferland P	21483850	Immuno-fluorescence, Immuno-gold electron-microscopy and Live cell confocal imaging	3
P04487	US11	10299	PAT1	9606	Literature	Benboudjema L, Mulvey M	12915535	Yeast two-hybrid screen,Fluorescence microscopy	2
P04487	US11	10299	KIF5B	9606	Literature	Diefenbach RJ, Miranda-Saksena M	11884553	Immunoblotting,Bait-prey	2
P04293	UL30	10299	HS90A	9606	Literature	Burch AD, Weller SK.	16051866	Southern blot analysis,Immunofluorescence microscopy	2
P10211	UL27	10299	EIF2KA3/PERK	9606	Literature	Mulvey M, Arias C	17229688	Co-Immunoprecipitation	1
P10238	UL54	10299	SAP145	9606	Literature	Bryant HE, Wadd SE	11287586	Western blotting,pull-down,co-ip	3
P10233	UL49	10299	RNF10	9606	Literature	Li M, Wang L	21424732	yeast two-hybrid,Immuno-fluorescence	2
P10233	UL49	10299	WDR42A/DCAF8	9606	Literature	Li M, Wang L	21424732	yeast two-hybrid,Immuno-fluorescence	2
P08393	IE110	10299	CDC34	9606	Literature	Van Sant C, Hagglund R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE110	10299	PSA2	9606	Literature	Van Sant C, Hagglund R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE110	10299	PSA3	9606	Literature	Van Sant C, Hagglund R	11447293	Co-Immunoprecipitation,Pull down	2
P08393	IE110	10299	PSA7	9606	Literature	Van Sant C, Hagglund R	11447293	Co-Immunoprecipitation,Pull down	2

P08393	IE110	10299	RNF8	9606	Literature	Lilley CE, Chaurushiy a MS	20075863	Affinity purifications, In vitro ubiquitination assay, FRAP analysis	3
P08393	IE110	10299	SEN1	9606	Literature	Bailey D, O'Hare P.	12466471	Colocalization	1
P08393	IE110	10299	CDC34	9606	Literature	Hagglund R, Roizman B.	12060736	In vitro ubiquitination assay, Immunoprecipitation	2
P08393	IE110	10299	PML	9606	Literature	Gu H, Roizman B.	12855769	immunofluorescence,	1
P08393	IE110	10299	SP100	9606	Literature	Gu H, Roizman B.	12855769	immunofluorescence,	1
P08393	IE110	10299	USP7	9606	Literature	Boutell C, Canning M.	16160161	siRNA analysis, Western blot analysis	2
P08393	IE110	10299	CCND3	9606	Literature	Kalamvoki M, Roizman B.	19706544	immunofluorescence,	1
P08393	IE110	10299	CDC2	9606	Literature	Advani SJ, Weichselbaum RR	10995483	PAGE	1
P10226	UL42	10299	CDC2	9606	Literature	Advani SJ, Weichselbaum RR	11581401	Pull down, immunoprecipitation	2
P04485	US1	10299	MPIP3	9606	Literature	Smith-Donald BA, Roizman B.	18272572	Pull down, immunoprecipitation, Immunoblotting	3
P08393	IE110	10299	CDK4	9606	Literature	Kalamvoki M, Roizman B.	20660182	Immunofluorescence, Pull down	2
P08392	IE175	10299	CDK4	9606	Literature	Kalamvoki M, Roizman B.	20660182	Immunofluorescence, Pull down	2
P04296	UL29	10299	CDK4	9606	Literature	Kalamvoki M, Roizman B.	20660182	Pull down	1
P04485	US1	10299	CDK9	9606	Literature	Durand LO, Roizman B.	18753202	Immunofluorescence, Immunoprecipitation, Co-localization	3
P10228	UL44	10299	CO3	9606	Literature	Kostavasili I, Sahu A	9029114	Direct ELISA, Competitive ELISA	2
P04487	US11	10299	PRKRA	9606	Literature	Peters GA, Khoo D	12368348	Immunofluorescence, Immunoprecipitation, Western blotting	3
P10211	UL27	10299	HLA-DMA	9606	Literature	Neumann J, Eis-Hübinger AM	12960333	Co-immunoprecipitation	1
P10211	UL27	10299	HLA-DMB	9606	Literature	Neumann J, Eis-Hübinger AM	12960333	Co-immunoprecipitation	1
P10211	UL27	10299	HLA-DRB1	9606	Literature	Sievers E, Neumann J	12225371	Western blotting, co-ip	2
P10211	UL27	10299	HLA-DRB3	9606	Literature	Sievers E, Neumann J	12225371	Western blotting, co-ip	2
P10211	UL27	10299	HLA-DRB4	9606	Literature	Sievers E, Neumann J	12225371	Western blotting, co-ip	2
P04413	US3	10299	IFNGR1	9606	Literature	Liang L, Roizman B.	18321964	Immunoblotting, Immunoprecipitation	2
P08393	IE110	10299	IRF3	9606	Literature	Melroe GT, Silva L	17126870	Immunofluorescence, Immunoprecipitation, Western blotting	3
P08393	IE110	10299	CBP	9606	Literature	Melroe GT, Silva L	17126870	Immunofluorescence, Immunoprecipitation, Western blotting	3
P08393	IE110	10299	EP300	9606	Literature	Melroe GT, Silva L	17126870	Immunofluorescence, Immunoprecipitation, Western blotting	3
P04487	US11	10299	OAS1	9606	Literature	Sánchez R, Mohr I.	17229694	Co-immunoprecipitation, western blotting	2
P04487	US11	10299	OAS2	9606	Literature	Sánchez R, Mohr I.	17229694	Co-immunoprecipitation, western blotting	2
P03170	US12	10299	TAP1	9606	Literature	Galocha B, Hill A	9151894	Photocross-linking, Co-immunoprecipitation	2
P03170	US12	10299	TAP2	9606	Literature	Galocha B, Hill A	9151894	Photocross-linking, Co-immunoprecipitation	2
P10221	UL37	10299	TRAF6	9606	Literature	Liu X, Fitzgerald K	18682563	Co-immunoprecipitation, western blotting	2
P04291	UL14	10299	MED8	9606	Literature	Wu F, Xing J	21512757	Y2H, Immunofluorescent assay	2
P04291	UL14	10299	RUNX3	9606	Literature	Wu F, Xing J	21512757	Y2H	1

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P04291	UL14	10299	ARRB2	9606	Literature	Wu F, Xing J	21512757	Y2H	1
P04291	UL14	10299	CRBN	9606	Literature	Wu F, Xing J	21512757	Y2H	1
P04291	UL14	10299	TSC22D	9606	Literature	Wu F, Xing J	21512757	Y2H,Immunofluorescent assay,Co-immunoprecipitation	3
P36313	RL1	10299	CHUK	9606	Literature	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P36313	RL1	10299	PPP1R12A	9606	Literature	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P36313	RL1	10299	PPP1R12C	9606	Literature	Jin H, Yan Z	21248029	Co-immunoprecipitation	1
P08393	IE110	10299	USP7	9606	Literature	Daubeuf S, Singh D	18952891	Co-immunoprecipitation	1
P10191	UL7	10299	SLC25A5	9606	Literature	Tanaka M, Sata T	18940012	Co-immunoprecipitation,MS	2
P04293	UL30	10299	KPNA1	9606	Literature	Alvisi G, Musiani D	17640102	Confocal laser scanning microscopy,Fluorescent binding assays	2
P04293	UL30	10299	KPNB1	9606	Literature	Alvisi G, Musiani D	17640102	Confocal laser scanning microscopy,Fluorescent binding assays	2
P10209	UL25	10299	CAN	9606	Literature	Pasdeloup D, Blondel D	19386703	Co-immunoprecipitation,western blotting	2
P10220	UL36	10299	RNBP2	9606	Literature	Copeland AM, Newcomb WW	19073727	Immunofluorescence,siRNA	2
P10220	UL36	10299	CAN	9606	Literature	Copeland AM, Newcomb WW	19073727	Immunofluorescence,siRNA	2
P10219	UL35	10299	TSPAN7	9606	Literature	Wang L, Liu L	20630051	Immunoprecipitation,Protein binding assay	2
P08393	IE110	10299	ATRIP	9606	Literature	Wilkinson DE, Weller SK.	16757521	Colocalization	1
P08393	IE110	10299	CENPB	9606	Literature	Lomonte P, Morency E.	17258208	co-ip	1
P06492	UL48	10299	PO2F1	9606	Literature	Herrera FJ, Triezenberg SJ.	15331701	ChIP assay,Immunoprecipitation	2
P04413	US3	10299	EMD	9606	Literature	Morris JB, Hofemeister H	17301149	Immunolocalization,Immunoprecipitation	2
P06492	UL48	10299	GTF2B	9606	Literature	Gupta R, Emilia A	8710503	Affinity column	1
P06492	UL48	10299	TF2H1	9606	Literature	Di Lello P, Nguyen BD	15909982	NMR	2
P06492	UL48	10299	MED25	9606	Literature	Mittler G, Stühler T	14657022	Immunoprecipitation	1
P10238	UL54	10299	NFX1	9606	Literature	Johnson LA, Li L	19369354	siRNA	1
P10238	UL54	10299	PABC1	9606	Literature	Dobrikova E, Shveygert M	19864386	Pull-down,Immunoprecipitation,Immunofluorescence	3
P10231	UL47	10299	PABC1	9606	Literature	Dobrikova E, Shveygert M	19864386	Pull-down,Immunoprecipitation,Immunofluorescence	3
P36313	RL1	10299	PCNA	9606	Literature	Harland J, Dunn P	12907392	Western blotting,Immunoprecipitation	2
P10238	UL54	10299	SRPK1	9606	Literature	Souki SK, Sandri-Goldin RM.	19553338	Colocalization,co-ip	2
P10238	UL54	10299	ALYREF	9606	Literature	Souki SK, Sandri-Goldin RM.	19553338	Colocalization,co-ip	2
P10226	UL42	10299	TOP2A	9606	Literature	Advani SJ, Weichselbaum RR	12665617	Immunoblotting,Immunoprecipitation	2
P08393	IE110	10299	P53	9606	Literature	Boutell C, Everett RD	12855695	Confocal microscopy,Fluorescent microscopy	2
P10225	UL41	10299	ZFP36	9606	Literature	Esclatine A, Taddeo B	15280467	co-ip	1

P08393	IE110	10299	CHK2	9606	Literature	Li H, Baskaran R	18321553	Immunoblotting	1
P08393	IE110	10299	MPIP3	9606	Literature	Li H, Baskaran R	18321553	Immunoblotting	1
P04413	US3	10299	PDCD4	9606	Literature	Wang X, Patenode C	21844356	co-ip, Pull down	2
P08543	UL39	10299	RIPK1	9606	Literature	Dufour F, Bertrand L	21697465	co-ip	1
P08543	UL39	10299	CASP8	9606	Literature	Dufour F, Bertrand L	21697465	co-ip	1
P04413	US3	10299	CASP3	9606	Literature	Benetti L, Roizman B.	17634220	PAGE	1
P04413	US3	10299	BID	9606	Literature	Cartier A, Broberg E	12934063	Western blotting, Fluorescence microscopy	2
P04413	US3	10299	BAD	9606	Literature	Kato A, Yamamoto M	15994828	Kinase assay	1
P10238	UL54	10299	EIF4G	9606	Literature	Bryant HE, Wadd SE	11287586	co-ip, MS	2
P10238	UL54	10299	EIF3B	9606	Literature	Fontaine-Rodriguez EC, Taylor TJ	15567442	co-ip, MS	2
P10238	UL54	10299	EIF3F	9606	Literature	Fontaine-Rodriguez EC, Taylor TJ	15567442	co-ip, MS	2
P10225	UL41	10299	EIF4F	9606	Literature	Page HG, Read GS.	20427534	Pull down	1
P04290	UL13	10299	EEF1D	9606	Literature	Kawaguchi Y, Van Sant C	9499021	Immunoprecipitation	1
P36313	RL1	10299	PPP1R15A	9606	Literature	Li Y, Zhang C	21622569	In vivo and in vivo assay	1
P36313	RL1	10299	EIF2A	9606	Literature	Li Y, Zhang C	21622569	In vivo and in vivo assay	1
P04296	UL29	10299	ASF1B	9606	Literature	Peng H, Nogueira ML	20133788	Colocalization	1
P04296	UL29	10299	HCF1	9606	Literature	Peng H, Nogueira ML	20133788	Colocalization	1
P04293	UL30	10299	HCF1	9606	Literature	Peng H, Nogueira ML	20133788	Y2H, Immunoprecipitation	2
P10236	UL52	10299	HCF1	9606	Literature	Peng H, Nogueira ML	20133788	Y2H, Immunoprecipitation	2
P10193	UL9	10299	HCF1	9606	Literature	Peng H, Nogueira ML	20133788	Y2H, Immunoprecipitation	2
P08393	IE110	10299	RCOR1	9606	Literature	Gu H, Roizman B.	18945770	Immunoprecipitation	1
P08392	IE175	10299	RPL22	9606	Literature	Leopardi R, Roizman B.	8643445	Y2H, co-ip	2
P04294	UL12	10299	MRE11A	9606	Literature	Balasubramanian N, Bai P	20943970	co-ip	1
P04294	UL12	10299	RAD50	9606	Literature	Balasubramanian N, Bai P	20943970	co-ip	1
P04296	UL29	10299	RAD51	9606	Literature	Wilkinson DE, Weller SK.	15078960	Western blotting, immunofluorescence	2
P04296	UL29	10299	NBN	9606	Literature	Wilkinson DE, Weller SK.	15078960	Western blotting, immunofluorescence	2
P04296	UL29	10299	RFA2	9606	Literature	Wilkinson DE, Weller SK.	15078960	Western blotting, immunofluorescence	2
P10230	UL46	10299	LCK	9606	Literature	Wagner MJ, Smiley JR.	19776125	Immunoprecipitation, Western blotting	2

