

PNAS TABLE S1

gene_symbol	Site Position	Protein Id	Max Score	sequence	Unstimulated		Stimulated 1 h AO		
					PARKIN WT			PARKIN[C431S]	
					UB_WT	UB_S65A	UB_WT	UB_S65A	UB_WT
ACSL1	207	sp P33211 ACSL1	1000	K.KA#LLEGVENK.L	0	0	1	1	0
ACSL4	702	sp O60488 ACSL4	1000	R.NHYLK#DIER.M	0	0	1	0	0
ARMCX3	295	sp Q9UH62 ARMCX3	1000	R.AQVPSLGLSFLNK#K.E	0	0	1	1	0
ATAD1	112	sp Q8NBU5 ATAD1	1000	K.DTVLPIK#K.K	0	0	1	1	0
ATAD1	263	sp Q8NBU5 ATAD1	1000	R.FHINQPALK#QR.E	0	0	1	0	0
ATAD1	274	sp Q8NBU5 ATAD1	1000	K.LILK#NENVDR.H	0	0	2	2	0
CISD1	42	sp Q9NZ45 CISD1	1000	R.NK#AM#INLHIQK.D	0	0	2	0	0
CISD1	79	sp Q9NZ45 CISD1	1000	K.K#PFPCDGAHTK.H	0	0	1	1	0
CISD1	104	sp Q9NZ45 CISD1	1000	K.HNEETGDNVGPLIK#K.K	2	0	11	10	0
CISD2	131	sp Q8N5K1 CISD2	1000	K.HNELTGDVNGVPLIK#K.K	0	0	1	0	0
CYB5R1	124	sp Q9UHQ9 NB5R1	1000	K.GVHPK#FPEGK.M	0	0	1	1	0
CYB5R1	167	sp Q9UHQ9 NB5R1	1000	K.GHFNIQPNK#K.S	0	0	1	0	0
DCAKD	186	sp Q8WVVC6 DCAKD	1000	R.HVLDNSGEVSVTK#R.Q	0	0	1	0	0
DLST	353	sp P36957 ODO2	1000	R.TITELGEK#AR.K	1	0	2	1	0
DNAJC11	31	sp Q9NVH1 DJC11	1000	R.REASSEELK#AAAYR.R	0	0	2	0	1
DNAJC11	83	sp Q9NVH1 DJC11	1000	R.AYDIYK#R.G	0	0	1	0	0
DNAJC11	434	sp Q9NVH1 DJC11	1000	R.ESAATDVLOK#K.Q	0	0	2	1	0
ELMOD2	61	sp Q8IZ81 ELMD2	1000	K.VLOK#ATHVVQSEVDK.Y	0	0	1	0	0
ELMOD2	150	sp Q8IZ81 ELMD2	1000	R.ISK#QWAEIGFOGDDPK.T	0	0	1	0	0
FAF2	167	sp Q96CS3 FAF2	1000	R.AHPVVFYQGTYSQALNDAK#R.E	0	0	2	0	0
FAF2	329	sp Q96CS3 FAF2	1000	K.EEEVQQQK#LAEER.R	0	0	1	0	0
FAF2	367	sp Q96CS3 FAF2	1000	K.IIFK#LPNDSR.V	0	0	4	3	0
FIS1	25	sp Q9Y3D6 FIS1	1000	K.FQSEK#AAGSVSK.S	0	0	1	1	0
FIS1	89	sp Q9Y3D6 FIS1	1000	K.EYEK#ALK#YVR.G	0	0	1	2	0
FIS1	92	sp Q9Y3D6 FIS1	1000	K.EYEK#ALK#YVR.G	0	0	1	2	0
FKBP8	341	sp Q14318-2 FKBP8	1000	K.LEPSNK#TIHAELSK.L	0	0	1	2	0
FUNDC2	150	sp Q9BWH2 FUND2	1000	R.K#SNQIPTEV.R.S	0	0	1	0	0
GDAP1	172	sp Q8TB36 GDAP1	1000	R.SQIGNTESELK#K.L	0	0	4	2	0
GDAP1	188	sp Q8TB36 GDAP1	1000	K.LAEENPDQEAYIAK#QK#R.L	0	0	1	0	0
GDAP1	190	sp Q8TB36 GDAP1	1000	K.LAEENPDQEAYIAK#QK#R.L	0	0	1	0	0
GDAP1	203	sp Q8TB36 GDAP1	1000	K.LLDHDNVK#YLK#K.I	0	0	3	0	0
GDAP1	206	sp Q8TB36 GDAP1	1000	K.LLDHDNVK#YLK#K.I	0	0	1	0	0
GK	128	sp P32189 GLPK	1000	R.TQSTVESLSK#R.I	0	0	2	0	0
HK1	180	sp P19367-3 HXX1	1000	K.RFK#ASGVEGADVVK.L	0	0	1	0	0
HK1	191	sp P19367-3 HXX1	1000	K.ASGVEGADVVK#LLNK.A	0	0	2	2	0
HK1	195	sp P19367-3 HXX1	1000	K.LLNK#AIK.K	0	0	1	1	0
HK1	294	sp P19367-3 HXX1	1000	R.GSLNPGK#QLFEK.M	0	0	1	1	0
HK1	316	sp P19367-3 HXX1	1000	R.LLIVK#MAK.E	0	0	2	0	0
HK1	337	sp P19367-3 HXX1	1000	R.GK#FNTSDVSAIEK.N	0	0	1	2	0
HK1	348	sp P19367-3 HXX1	1000	K.FNTSDVSAIEK#NK.E	0	0	4	4	0
HK1	767	sp P19367-3 HXX1	1000	R.NLIDFTK#K.G	0	0	3	2	0
HK1	768	sp P19367-3 HXX1	1000	K.K#GFLFR.G	0	0	1	1	0
HK1	781	sp P19367-3 HXX1	1000	R.GQISETLK#TR.G	0	1	9	11	0
HK1	884	sp P19367-3 HXX1	1000	R.IM#HQTVK#ELSPK.C	0	0	2	1	0
HSDL1	64	sp Q3SXMS5 HSDL1	1000	R.ADLIK#QYGR.W	0	0	0	1	0
HSDL1	103	sp Q3SXMS5 HSDL1	1000	R.NEEK#LQVVAK.D	0	0	1	1	0
HSDL1	109	sp Q3SXMS5 HSDL1	1000	K.LQVVAK#DIADTYK.V	0	0	1	1	0
MAOA	82	sp P21397 AOFA	1000	R.LSK#ELGIETYK.V	0	0	1	0	0
MAOA	372	sp P21397 AOFA	1000	K.K#ICELYAK.V	0	0	1	0	0
MAOB	52	sp P27338 AOFB	1000	K.VK#YVDLGGSYVGPQNR.I	0	0	1	1	0
MCL1	40	sp Q07820 MCL1	1000	R.LLATEK#EASAR.R	0	0	1	1	0
MCL1	194	sp Q07820 MCL1	1000	R.EQATGAK#DTK#PM#GR.S	0	0	0	0	1
MCL1	197	sp Q07820 MCL1	1000	R.EQATGAK#DTK#PM#GR.S	0	0	0	0	1
MCL1	238	sp Q07820 MCL1	1000	K.LDIK#NEDDVK.S	0	0	1	1	0
MCL1	308	sp Q07820 MCL1	1000	K.RDWLVK#QR.G	2	0	3	2	0
MFN1	395	sp Q8IWA4 MFN1	1000	R.NQM#NLLTLDVK#K.K	1	0	10	4	0
MFN1	396	sp Q8IWA4 MFN1	1000	R.NQM#NLLTLDVK#K.K.I	0	0	1	0	0
MFN1	399	sp Q8IWA4 MFN1	1000	K.IK#EVTEEVANK.V	0	0	1	1	0
MFN1	499	sp Q8IWA4 MFN1	1000	K.LHTLIPCK#K.F	0	0	2	1	0
MFN1	713	sp Q8IWA4 MFN1	1000	K.IQNNSK#LLR.N	0	0	1	1	0
MFN2	84	sp O95140 MFN2	1000	K.GYLSK#VR.G	0	0	1	1	0
MFN2	402	sp O95140 MFN2	1000	R.LK#FIDK.V	0	0	1	0	0
MFN2	416	sp O95140 MFN2	1000	K.QLELLAQDYK#LR.I	0	0	2	1	0
MFN2	420	sp O95140 MFN2	1000	R.IK#QITEEVER.Q	0	0	4	3	0
MFN2	720	sp O95140 MFN2	1000	K.K#IEVLDSLQSK.A	0	0	0	1	0
MRPL20	114	sp Q9BYC9 RM20	1000	K.TFK#SLAALASR.R	0	0	1	0	0
MTX1	187	sp Q13505 MTX1	1000	R.FTGAPLK#VHK.I	0	0	1	1	0
NME2	100	sp P22392-2 NDKB	1000	R.VMLGETNPADSK#PGTIR.G	0	0	2	1	0
NME2	239	sp P22392-2 NDKB	1000	R.NIHGSDSVK#SAEK.E	0	0	3	2	0
NT5C3A	77	sp Q9H0P0 NT3A	1000	R.VEEIICGLIK#GGAAK.L	0	0	1	0	0
PARK2	48	sp O60260 PRKN2	1000	R.VIFAGK#ELR.N	0	0	2	1	1
PARK2	408	sp O60260 PRKN2	1000	R.WEAASK#ETIK.K	1	0	2	1	0
SCCPDH	220	sp Q8NBX0 SCPDL	1000	R.NVSNLK#PVPPIGPK.L	0	0	2	1	0
SQSTM1	13	sp Q13501 SQSTM	1000	K.AYLLGK#EDAAR.E	0	0	1	1	0
TAX1BP1	288	sp Q86VP1 TAXB1	1000	K.VHLK#NTEIENTK.L	0	0	1	0	0
TAX1BP1	439	sp Q86VP1 TAXB1	1000	R.REVEDLKH#LR.L	0	0	2	1	0
TAX1BP1	450	sp Q86VP1 TAXB1	1000	R.LQM#AADHYK#EK.F	0	0	2	0	0
TAX1BP1	565	sp Q86VP1 TAXB1	1000	K.MELK#WK.E	0	0	1	0	0
TAX1BP1	571	sp Q86VP1 TAXB1	1000	K.EQVK#IAENVK.L	0	0	1	1	0
TAX1BP1	588	sp Q86VP1 TAXB1	1000	K.LELAEVQDNYK#ELK.R	0	0	1	0	0
TDRKH	175	sp Q9Y2W6 TDRKH	1000	R.LIK#ISGTQK.E	0	0	1	0	0
TDRKH	181	sp Q9Y2W6 TDRKH	1000	K.ISGTQK#EVAALK.H	0	0	1	0	0
TDRKH	187	sp Q9Y2W6 TDRKH	1000	K.EVAALK#HLLILEK.V	0	0	1	0	0
TOMM20	61	sp Q15388 TOM20	1000	K.LPDLK#DAEAVQK.F	1	1	2	1	1
TOMM70A	168	sp O94826 TOM70	1000	R.AAAFEQLQK#WK.E	0	0	5	3	0
TOMM70A	178	sp O94826 TOM70	1000	K.EVAQDCTK#AVELNPK.Y	0	0	2	1	0
TOMM70A	185	sp O94826 TOM70	1000	K.AVELNPK#YVK.A	0	0	1	1	0
TOMM70A	188	sp O94826 TOM70	1000	K.YVK#ALFR.R	0	0	2	0	0
TOMM70A	359	sp O94826 TOM70	1000	K.VISLK#EANVK.L	0	0	2	1	0
TOMM70A	470	sp O94826 TOM70	1000	K.GFEEVIK#K.F	0	0	1	1	0
TOMM70A	570	sp O94826 TOM70	1000	K.AIDM#FNK#AINLAK.S	0	0	3	2	0
TOMM70A	604	sp O94826 TOM70	1000	K.YGLK#PPTL.-	0	0	1	1	0
USP30	289	sp Q70CQ3 UBP30	1000	R.DVVCNDNCTK#IEAK.G	0	0	1	0	0
VCP	18	sp P55072 TERA	1000	K.GDDLSTAILK#QK.N	0	0	1	1	0
VCP	658	sp P55072 TERA	1000	R.VAILK#ANLR.K	0	0	1	1	0
VDAC1	61	sp P21796 VDAC1	1000	K.VTGSLETK#YR.W	0	0	1	1	0
VDAC1	109	sp P21796 VDAC1	1000	K.LTFDSSFSPNTGK#K.N	1	0	6	4	0
VDAC2	87	sp P45880-1 VDAC2	1000	K.VTGTLETK#YK.W	0	0	1	0	0
VDAC2	135	sp P45880-1 VDAC2	1000	K.LTFDSSFSPNTGK#K.S	0	0	10	6	0
VDAC3	110	sp Q9Y277-2 VDAC3	1000	K.LTLDTIFVNTGK#K.S	1	0	2	2	0
VDAC3	164	sp Q9Y277-2 VDAC3	1000	K.SK#LSQNNFALGYK.A	0	0	3	2	0