

Immuno-Oncology panel 4 (direct-MRM MS)

oM = oxidized Met, p
= phospho

(398 analytes)

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
ABCE1	ATP-binding cassette sub-family E member 1	P61221	nonmod
ABCE1	ATP-binding cassette sub-family E member 1	P61221	nonmod
ABI1	Abl interactor 1	Q8IZP0	nonmod
ABI1	Abl interactor 1	Q8IZP0	nonmod
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	nonmod
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	nonmod
ANXA1	Annexin A1	P04083	nonmod
ANXA4	annexin A4	P09525	nonmod
ANXA5	Annexin A5	P08758	nonmod
ANXA5	Annexin A5	P08758	nonmod
ANXA6	annexin A6	P08133	nonmod
B2M	Beta-2-microglobulin	P61769	nonmod
B2M	Beta-2-microglobulin	P61769	nonmod
BCAP31	B-cell receptor-associated protein 31	P51572	nonmod
BCAP31	B-cell receptor-associated protein 31	P51572	nonmod
BCL2	Apoptosis regulator Bcl-2	P10415	nonmod
BCL2L1	Bcl-2-like protein 1	Q07817	nonmod
BCL2L11	Bcl-2-like protein 11	Q43521	nonmod
BCL2L11	Bcl-2-like protein 11	Q43521	nonmod
BCL2L2	Bcl-2-like protein 2	Q92843	nonmod
BCL2L2	Bcl-2-like protein 2	Q92843	nonmod
BCL3	B-cell lymphoma 3 protein	P20749	nonmod
BCL3	B-cell lymphoma 3 protein	P20749	nonmod
BID	BH3-interacting domain death agonist	P55957	nonmod
BID	BH3-interacting domain death agonist	P55957	nonmod
BNIP3L	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like	Q60238	nonmod
BNIP3L	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like	Q60238	nonmod
BPGM	Bisphosphoglycerate mutase	P07738	nonmod
BPGM	Bisphosphoglycerate mutase	P07738	nonmod
BST2	Bone marrow stromal antigen 2	Q10589	nonmod
BST2	Bone marrow stromal antigen 2	Q10589	nonmod
C1QA	Complement C1q subcomponent subunit A	P02745	nonmod
C1QA	Complement C1q subcomponent subunit A	P02745	nonmod
C1QB	Complement C1q subcomponent subunit B	P02746	nonmod
C1QB	Complement C1q subcomponent subunit B	P02746	nonmod
C1QBP	complement component 1, q subcomponent binding protein	Q07021	nonmod
C1QC	Complement C1q subcomponent subunit C	P02747	nonmod
C1QC	Complement C1q subcomponent subunit C	P02747	nonmod
C1R	Complement C1r subcomponent	P00736	nonmod
C1R	Complement C1r subcomponent	P00736	nonmod
C1RL	Complement C1r subcomponent-like protein	Q9NZP8	nonmod
C1RL	Complement C1r subcomponent-like protein	Q9NZP8	nonmod
C1S	Complement C1s subcomponent	P09871	nonmod
C1S	Complement C1s subcomponent	P09871	nonmod
C2	Complement C2	P06681	nonmod
C2	Complement C2	P06681	nonmod
C3	Complement C3	P01024	nonmod
C3	Complement C3	P01024	nonmod
C4A	Complement C4-A	P0C0L4	nonmod
C4A	Complement C4-A	P0C0L4	nonmod
C4BPA	C4b-binding protein alpha chain	P04003	nonmod
C4BPA	C4b-binding protein alpha chain	P04003	nonmod
C4BPB	C4b-binding protein beta chain	P20851	nonmod
C4BPB	C4b-binding protein beta chain	P20851	nonmod
C5	Complement C5	P01031	nonmod
C5	Complement C5	P01031	nonmod
C5AR1	C5a anaphylatoxin chemotactic receptor 1	P21730	nonmod
C6	Complement component C6	P13671	nonmod
C6	Complement component C6	P13671	nonmod
C7	Complement component C7	P10643	nonmod
C7	Complement component C7	P10643	nonmod
C8A	Complement component C8 alpha chain	P07357	nonmod
C8A	Complement component C8 alpha chain	P07357	nonmod
C8B	Complement component C8 beta chain	P07358	nonmod
C8B	Complement component C8 beta chain	P07358	nonmod
C8G	Complement component C8 gamma chain	P07360	nonmod
C8G	Complement component C8 gamma chain	P07360	nonmod
C9	Complement component C9	P02748	nonmod
C9	Complement component C9	P02748	nonmod

This panel does not require
monoclonal antibodies

CAMK2D	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557	nonmod
CAMK2D	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557	nonmod
CAMK2G	Calcium/calmodulin-dependent protein kinase type II subunit gamma	Q13555	nonmod
CAMK2G	Calcium/calmodulin-dependent protein kinase type II subunit gamma	Q13555	nonmod
CAPG	Macrophage-capping protein	P40121	nonmod
CASP1	Caspase-1	P29466	nonmod
CASP1	Caspase-1	P29466	nonmod
CASP10	Caspase-10	Q92851	nonmod
CASP10	Caspase-10	Q92851	nonmod
CASP2	Caspase-2	P42575	nonmod
CASP2	Caspase-2	P42575	nonmod
CASP3	Caspase-3	P42574	nonmod
CASP3	Caspase-3	P42574	nonmod
CASP4	Caspase-4	P49662	nonmod
CASP6	Caspase-6	P55212	nonmod
CASP6	Caspase-6	P55212	nonmod
CASP7	Caspase-7	P55210	nonmod
CASP7	Caspase-7	P55210	nonmod
CASP8	Caspase-8	Q14790	nonmod
CASP8	Caspase-8	Q14790	nonmod
CASP9	Caspase-9	P55211	nonmod
CAV1	Caveolin-1	Q03135	nonmod
CAV1	Caveolin-1	Q03135	nonmod
CCR1	C-C chemokine receptor type 1	P32246	nonmod
CCR1	C-C chemokine receptor type 1	P32246	nonmod
CD14	Monocyte differentiation antigen CD14	P08571	nonmod
CD2	T-cell surface antigen CD2	P06729	nonmod
CD36	Platelet glycoprotein 4	P16671	nonmod
CD36	Platelet glycoprotein 4	P16671	nonmod
CD38	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907	nonmod
CD38	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907	nonmod
CD3D	T-cell surface glycoprotein CD3 delta chain	P04234	nonmod
CD3D	T-cell surface glycoprotein CD3 delta chain	P04234	nonmod
CD3E	T-cell surface glycoprotein CD3 epsilon chain	P07766	nonmod
CD46	Membrane cofactor protein	P15529	nonmod
CD46	Membrane cofactor protein	P15529	nonmod
CD55	Complement decay-accelerating factor	P08174	nonmod
CD55	Complement decay-accelerating factor	P08174	nonmod
CD59	CD59 glycoprotein	P13987	nonmod
CD81	CD81 antigen	P60033	nonmod
CD81	CD81 antigen	P60033	nonmod
CD82	CD82 antigen	P27701	nonmod
CD82	CD82 antigen	P27701	nonmod
CD8A	T-cell surface glycoprotein CD8 alpha chain	P01732	nonmod
CD9	CD9 antigen	P21926	nonmod
CD9	CD9 antigen	P21926	nonmod
CFB	Complement factor B	P00751	nonmod
CFB	Complement factor B	P00751	nonmod
CFD	Complement factor D	P00746	nonmod
CFD	Complement factor D	P00746	nonmod
CFH	Complement factor H	P08603	nonmod
CFH	Complement factor H	P08603	nonmod
CFHR2	Complement factor H-related protein 2	P36980	nonmod
CFI	Complement factor I	P05156	nonmod
CFP	Properdin	P27918	nonmod
CHI3L1	Chitinase-3-like protein 1	P36222	nonmod
CHI3L1	Chitinase-3-like protein 1	P36222	nonmod
CLU	clusterin	P10909	nonmod
CMA1	Chymase (EC 3.4.21.39) (Alpha-chymase) (Mast cell protease I)	P23946	nonmod
CREB1	Cyclic AMP-responsive element-binding protein 1	P16220	nonmod
CREBBP	CREB-binding protein	Q92793	nonmod
CREBBP	CREB-binding protein	Q92793	nonmod
CSF1	Macrophage colony-stimulating factor 1	P09603	nonmod
CSF1	Macrophage colony-stimulating factor 1	P09603	nonmod
CSK	Tyrosine-protein kinase CSK	P41240	nonmod
CSK	Tyrosine-protein kinase CSK	P41240	nonmod
CTR9	RNA polymerase-associated protein CTR9 homolog	Q6PD62	nonmod
CTSB	Cathepsin B	P07858	nonmod
CTSB	Cathepsin B	P07858	nonmod
CTSE	Cathepsin E	P14091	nonmod
CTSE	Cathepsin E	P14091	nonmod
CTSH	Pro-cathepsin H	P09668	nonmod

CTSK	Cathepsin K	P43235	nonmod
CTSS	Cathepsin S	P25774	nonmod
CTSS	Cathepsin S	P25774	nonmod
CXCR4	C-X-C chemokine receptor type 4	P61073	nonmod
DAK (TKFC)	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)	Q3LXA3	nonmod
DAP3	28S ribosomal protein S29, mitochondrial	P51398	nonmod
DARS	Aspartate--tRNA ligase, cytoplasmic	P14868	nonmod
DARS	Aspartate--tRNA ligase, cytoplasmic	P14868	nonmod
DDX3X	ATP-dependent RNA helicase DDX3X	Q00571	nonmod
DEGS1	Sphingolipid delta(4)-desaturase DES1	Q15121	nonmod
DPP4	Dipeptidyl peptidase 4	P27487	nonmod
DPP4	Dipeptidyl peptidase 4	P27487	nonmod
DUSP3	Dual specificity protein phosphatase 3 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase VHR) (Vaccinia H1-related phosphatase) (VHR)	P51452	nonmod
DUSP3	Dual specificity protein phosphatase 3 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase VHR) (Vaccinia H1-related phosphatase) (VHR)	P51452	nonmod
EFNA1	Ephrin-A1	P20827	nonmod
EFNA1	Ephrin-A1	P20827	nonmod
EGR1	Early growth response protein 1	P18146	nonmod
ELANE	Neutrophil elastase	P08246	nonmod
ELANE	Neutrophil elastase	P08246	nonmod
EPCAM	epithelial cell adhesion molecule	P16422	nonmod
F2	Prothrombin	P00734	nonmod
F2	Prothrombin	P00734	nonmod
FAS	Tumor necrosis factor receptor superfamily member 6	P25445	nonmod
FCER1G	High affinity immunoglobulin epsilon receptor subunit gamma	P30273	nonmod
FCER1G	High affinity immunoglobulin epsilon receptor subunit gamma	P30273	nonmod
FCGR1A	High affinity immunoglobulin gamma Fc receptor I	P12314	nonmod
FCGR1A	High affinity immunoglobulin gamma Fc receptor I	P12314	nonmod
FCN1	Ficolin-1	Q00602	nonmod
FCN3	Ficolin-3	Q75636	nonmod
GBP1	Guanylate-binding protein 1	P32455	nonmod
GBP1	Guanylate-binding protein 1	P32455	nonmod
GCA	Grancalcin	P28676	nonmod
GCA	Grancalcin	P28676	nonmod
GPLD1	Phosphatidylinositol-glycan-specific phospholipase D	P80108	nonmod
GZMA	Granzyme A	P12544	nonmod
HCLS1	Hematopoietic lineage cell-specific protein	P14317	nonmod
HCLS1	Hematopoietic lineage cell-specific protein	P14317	nonmod
HLA-DMB	HLA class II histocompatibility antigen, DM beta chain	P28068	nonmod
HLA-DMB	HLA class II histocompatibility antigen, DM beta chain	P28068	nonmod
HLA-DRA	HLA class II histocompatibility antigen, DR alpha chain	P01903	nonmod
HLA-G	HLA class I histocompatibility antigen, alpha chain G	P17693	nonmod
ICAM1	Intercellular adhesion molecule 1	P05362	nonmod
ICAM1	Intercellular adhesion molecule 1	P05362	nonmod
IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	P48735	nonmod
IDO1	Indoleamine 2,3-dioxygenase 1	P14902	nonmod
IFI27	Interferon alpha-inducible protein 27, mitochondrial	P40305	nonmod
IFI30	Gamma-interferon-inducible lysosomal thiol reductase	P13284	nonmod
IFI35	Interferon-induced 35 kDa protein	P80217	nonmod
IFI35	Interferon-induced 35 kDa protein	P80217	nonmod
IFI44	Interferon-induced protein 44	Q8TCB0	nonmod
IFI44L	Interferon-induced protein 44-like	Q53G44	nonmod
IFI44L	Interferon-induced protein 44-like	Q53G44	nonmod
IFIH1	Interferon-induced helicase C domain-containing protein 1	Q9BYX4	nonmod
IFIH1	Interferon-induced helicase C domain-containing protein 1	Q9BYX4	nonmod
IFIT1	Interferon-induced protein with tetratricopeptide repeats 1	P09914	nonmod
IFIT2	Interferon-induced protein with tetratricopeptide repeats 2	P09913	nonmod
IFIT3	Interferon-induced protein with tetratricopeptide repeats 3	Q14879	nonmod
IFITM3	Interferon-induced transmembrane protein 3	Q01628	nonmod
IGF2R	Cation-independent mannose-6-phosphate receptor	P11717	nonmod
IGFBP6	Insulin-like growth factor-binding protein 6	P24592	nonmod
IGFBP6	Insulin-like growth factor-binding protein 6	P24592	nonmod
IKKB	Inhibitor of nuclear factor kappa-B kinase subunit beta	Q14920	nonmod
IKKB	Inhibitor of nuclear factor kappa-B kinase subunit beta	Q14920	nonmod
IL16	Pro-interleukin-16	Q14005	nonmod
IL16	Pro-interleukin-16	Q14005	nonmod
IL17RA	Interleukin-17 receptor A	Q96F46	nonmod
IL17RA	Interleukin-17 receptor A	Q96F46	nonmod
IL18	Interleukin-18	Q14116	nonmod
IL1R2	Interleukin-1 receptor type 2	P27930	nonmod
IL1R2	Interleukin-1 receptor type 2	P27930	nonmod
IL1RAP	Interleukin-1 receptor accessory protein	Q9NPH3	nonmod

IL6ST	Interleukin-6 receptor subunit beta	P40189	nonmod
ILF2	interleukin enhancer binding factor 2, 45kDa	Q12905	nonmod
ILF3	interleukin enhancer binding factor 3, 90kDa	Q12906	nonmod
IRAK1	Interleukin-1 receptor-associated kinase 1	P51617	nonmod
IRAK1	Interleukin-1 receptor-associated kinase 1	P51617	nonmod
IRAK4	Interleukin-1 receptor-associated kinase 4	Q9NWZ3	nonmod
IRF2	Interferon regulatory factor 2	P14316	nonmod
IRF6	Interferon regulatory factor 6	Q14896	nonmod
IRF6	Interferon regulatory factor 6	Q14896	nonmod
IRF7	Interferon regulatory factor 7	Q92985	nonmod
IRF9	Interferon regulatory factor 9	Q00978	nonmod
IRF9	Interferon regulatory factor 9	Q00978	nonmod
ISG20	Interferon-stimulated gene 20 kDa protein	Q96A26	nonmod
ISG20	Interferon-stimulated gene 20 kDa protein	Q96A26	nonmod
ITGAL	Integrin alpha-L	P20701	nonmod
ITGAL	Integrin alpha-L	P20701	nonmod
ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	P05556	nonmod
ITGB2	Integrin beta-2	P05107	nonmod
ITGB2	Integrin beta-2	P05107	nonmod
KARS	lysyl-tRNA synthetase	Q15046	nonmod
KRT1	Keratin, type II cytoskeletal 1	P04264	nonmod
KRT1	Keratin, type II cytoskeletal 1	P04264	nonmod
LCP2	Lymphocyte cytosolic protein 2	Q13094	nonmod
LCP2	Lymphocyte cytosolic protein 2	Q13094	nonmod
LGALS1	Lectin, galactoside-binding, soluble, 1 (galectin 1)	P09382	nonmod
LGALS3	Galectin-3	P17931	nonmod
LGALS3BP	Galectin-3-binding protein	Q08380	nonmod
LTA4H	Leukotriene A-4 hydrolase	P09960	nonmod
LTA4H	Leukotriene A-4 hydrolase	P09960	nonmod
LTBP2	Latent-transforming growth factor beta-binding protein 2	Q14767	nonmod
LTBP2	Latent-transforming growth factor beta-binding protein 2	Q14767	nonmod
LYN	Tyrosine-protein kinase Lyn	P07948	nonmod
LYN	Tyrosine-protein kinase Lyn	P07948	nonmod
MAP3K7IP1	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1	Q9NWZ3	nonmod
MIF	Macrophage migration inhibitory factor	P14174	nonmod
MIF	Macrophage migration inhibitory factor	P14174	nonmod
MSH6	mutS homolog 6 (E. coli)	P52701	nonmod
MSN	moesin	P26038	nonmod
MSR1	Macrophage scavenger receptor types I and II	P21757	nonmod
MSR1	Macrophage scavenger receptor types I and II	P21757	nonmod
MTIF2	Translation initiation factor IF-2, mitochondrial	P46199	nonmod
MTIF2	Translation initiation factor IF-2, mitochondrial	P46199	nonmod
MYD88	Myeloid differentiation primary response protein MyD88	Q99836	nonmod
MYD88	Myeloid differentiation primary response protein MyD88	Q99836	nonmod
NCF4	Neutrophil cytosol factor 4	Q15080	nonmod
NCF4	Neutrophil cytosol factor 4	Q15080	nonmod
NCK1	Cytoplasmic protein NCK1	P16333	nonmod
NCK1	Cytoplasmic protein NCK1	P16333	nonmod
NFKB1	Nuclear factor NF-kappa-B p105 subunit	P19838	nonmod
NFKB1	Nuclear factor NF-kappa-B p105 subunit	P19838	nonmod
NFKB2	Nuclear factor NF-kappa-B p100 subunit	Q00653	nonmod
NFKB2	Nuclear factor NF-kappa-B p100 subunit	Q00653	nonmod
NFKBIA	NF-kappa-B inhibitor alpha	P25963	nonmod
NFKBIB	NF-kappa-B inhibitor beta	Q15653	nonmod
NFKBIB	NF-kappa-B inhibitor beta	Q15653	nonmod
NFKBIE	NF-kappa-B inhibitor epsilon	Q00221	nonmod
NFKBIE	NF-kappa-B inhibitor epsilon	Q00221	nonmod
NME1	Nucleoside diphosphate kinase A	P15531	nonmod
NOTCH2	Neurogenic locus notch homolog protein 2	Q04721	nonmod
NPEPPS	aminopeptidase puromycin sensitive	P55786	nonmod
NPM1	Nucleophosmin	P06748	nonmod
NPM1	Nucleophosmin	P06748	nonmod
OTUB1	OTU domain, ubiquitin aldehyde binding 1	Q96FW1	nonmod
PARP1	poly (ADP-ribose) polymerase 1	P09874	nonmod
PARP12	Protein mono-ADP-ribosyltransferase PARP12	Q9H0J9	nonmod
PARP12	Protein mono-ADP-ribosyltransferase PARP12	Q9H0J9	nonmod
PARP14	Protein mono-ADP-ribosyltransferase PARP14	Q460N5	nonmod
PARP14	Protein mono-ADP-ribosyltransferase PARP14	Q460N5	nonmod
PARP9	Protein mono-ADP-ribosyltransferase PARP9	Q8IXQ6	nonmod
PARP9	Protein mono-ADP-ribosyltransferase PARP9	Q8IXQ6	nonmod
PAWR	PRKC apoptosis WT1 regulator protein	Q96I2Q	nonmod
PCBP1	poly(rC) binding protein 1	Q15365	nonmod

PDCD2L	Programmed cell death protein 2-like	Q9BRP1	nonmod
PDCD2L	Programmed cell death protein 2-like	Q9BRP1	nonmod
PDCD4	Programmed cell death protein 4	Q53EL6	nonmod
PDCD4	Programmed cell death protein 4	Q53EL6	nonmod
PECAM1	Platelet endothelial cell adhesion molecule	P16284	nonmod
PECAM1	Platelet endothelial cell adhesion molecule	P16284	nonmod
PF4	Platelet factor 4	P02776	nonmod
PLCB1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	Q9NQ66	nonmod
PML	Protein PML	P29590	nonmod
PML	Protein PML	P29590	nonmod
POLR3C	DNA-directed RNA polymerase III subunit RPC3	Q9BU14	nonmod
POLR3C	DNA-directed RNA polymerase III subunit RPC3	Q9BU14	nonmod
PRKCB	Protein kinase C beta type	P05771	nonmod
PSMA2	Proteasome subunit alpha type-2	P25787	nonmod
PSMA2	Proteasome subunit alpha type-2	P25787	nonmod
PSMA3	Proteasome subunit alpha type-3	P25788	nonmod
PSMA3	Proteasome subunit alpha type-3	P25788	nonmod
PSMB2	Proteasome subunit beta type-2	P49721	nonmod
PSMB2	Proteasome subunit beta type-2	P49721	nonmod
PSMB8	Proteasome subunit beta type-8	P28062	nonmod
PSMB8	Proteasome subunit beta type-8	P28062	nonmod
PSMB9	Proteasome subunit beta type-9	P28065	nonmod
PSMB9	Proteasome subunit beta type-9	P28065	nonmod
PSME1	Proteasome activator complex subunit 1	Q06323	nonmod
PSME2	Proteasome activator complex subunit 2	Q9UL46	nonmod
PSME2	Proteasome activator complex subunit 2	Q9UL46	nonmod
PSPC1	paraspeckle component 1	Q8WXF1	nonmod
PTPN11	Tyrosine-protein phosphatase non-receptor type 11	Q06124	nonmod
PTPN11	Tyrosine-protein phosphatase non-receptor type 11	Q06124	nonmod
PTPN6	Tyrosine-protein phosphatase non-receptor type 6	P29350	nonmod
PTPRC	Receptor-type tyrosine-protein phosphatase C	P08575	nonmod
PTPRC	Receptor-type tyrosine-protein phosphatase C	P08575	nonmod
RELA	Transcription factor p65	Q04206	nonmod
RELA	Transcription factor p65	Q04206	nonmod
RIPK1	Receptor-interacting serine/threonine-protein kinase 1	Q13546	nonmod
RIPK1	Receptor-interacting serine/threonine-protein kinase 1	Q13546	nonmod
RIPK2	Receptor-interacting serine/threonine-protein kinase 2	Q43353	nonmod
RIPK2	Receptor-interacting serine/threonine-protein kinase 2	Q43353	nonmod
RPS27A	Ubiquitin-40S ribosomal protein S27a	P62979	nonmod
S100A13	Protein S100-A13	Q99584	nonmod
S100A13	Protein S100-A13	Q99584	nonmod
S100A14	Protein S100-A14	Q9HCY8	nonmod
S100A8	Protein S100-A8	P05109	nonmod
S100A8	Protein S100-A8	P05109	nonmod
S100A9	Protein S100-A9	P06702	nonmod
S100A9	Protein S100-A9	P06702	nonmod
S100A9	Protein S100-A9	P06702	nonmod
SEMA4D	Semaphorin-4D	Q92854	nonmod
SEMA4D	Semaphorin-4D	Q92854	nonmod
SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1	P30740	nonmod
SERPING1	Plasma protease C1 inhibitor	P05155	nonmod
SERPING1	Plasma protease C1 inhibitor	P05155	nonmod
SMAD1	Mothers against decapentaplegic homolog 1	Q15797	nonmod
SMAD1	Mothers against decapentaplegic homolog 1	Q15797	nonmod
SMAD2	Mothers against decapentaplegic homolog 2	Q15796	nonmod
SMAD2	Mothers against decapentaplegic homolog 2	Q15796	nonmod
SMAD3	Mothers against decapentaplegic homolog 3	P84022	nonmod
SMAD3	Mothers against decapentaplegic homolog 3	P84022	nonmod
SOD2	Superoxide dismutase	P04179	nonmod
SOD2	Superoxide dismutase	P04179	nonmod
SP100	Nuclear autoantigen Sp-100	P23497	nonmod
SP100	Nuclear autoantigen Sp-100	P23497	nonmod
SPP1	Osteopontin	P10451	nonmod
STAB1	Stabilin-1	Q9NY15	nonmod
STAB1	Stabilin-1	Q9NY15	nonmod
STAM2	Signal transducing adapter molecule 2	Q75886	nonmod
STAM2	Signal transducing adapter molecule 2	Q75886	nonmod
STAT1	Signal transducer and activator of transcription 1-alpha/beta	P42224	nonmod
STAT2	Signal transducer and activator of transcription 2	P52630	nonmod
STAT2	Signal transducer and activator of transcription 2	P52630	nonmod
STAT3	Signal transducer and activator of transcription 3	P40763	nonmod
STAT5A	Signal transducer and activator of transcription 5A	P42229	nonmod

STOML2	stomatin (EPB72)-like 2	Q9UJZ1	nonmod
SUMO1	Small ubiquitin-related modifier 1	P63165	nonmod
TAP1	Antigen peptide transporter 1	Q03518	nonmod
TCIRG1	V-type proton ATPase 116 kDa subunit a isoform 3	Q13488	nonmod
TGFB1	Transforming growth factor beta-1 proprotein	P01137	nonmod
TGFB1	Transforming growth factor beta-1 proprotein	P01137	oM
TGFB1	Transforming growth factor-beta-induced protein ig-h3	Q15582	nonmod
TGFB1	Transforming growth factor-beta-induced protein ig-h3	Q15582	nonmod
TGFBR3	Transforming growth factor beta receptor type 3	Q03167	nonmod
TGFBR3	Transforming growth factor beta receptor type 3	Q03167	nonmod
TGFBRAP1	Transforming growth factor-beta receptor-associated protein 1	Q8WUH2	nonmod
TGFBRAP1	Transforming growth factor-beta receptor-associated protein 1	Q8WUH2	nonmod
THY1	Thy-1 membrane glycoprotein	P04216	nonmod
THY1	Thy-1 membrane glycoprotein	P04216	nonmod
TIMP1	Metalloproteinase inhibitor 1	P01033	nonmod
TIMP1	Metalloproteinase inhibitor 1	P01033	nonmod
TLR2	Toll-like receptor 2	Q60603	nonmod
TLR2	Toll-like receptor 2	Q60603	nonmod
TLR3	Toll-like receptor 3	Q15455	nonmod
TLR3	Toll-like receptor 3	Q15455	nonmod
TNFAIP2	Tumor necrosis factor alpha-induced protein 2	Q03169	nonmod
TNFAIP2	Tumor necrosis factor alpha-induced protein 2	Q03169	nonmod
TNFAIP8	Tumor necrosis factor alpha-induced protein 8	Q95379	nonmod
TNFAIP8	Tumor necrosis factor alpha-induced protein 8	Q95379	nonmod
TNFSF10	Tumor necrosis factor ligand superfamily member 10	P50591	nonmod
TPD52	Tumor protein D52	P55327	nonmod
TPD52	Tumor protein D52	P55327	nonmod
TRAF2	TNF receptor-associated factor 2	Q12933	nonmod
TRAF2	TNF receptor-associated factor 2	Q12933	nonmod
TRIM28	tripartite motif-containing 28	Q13263	nonmod
TRIM56	E3 ubiquitin-protein ligase TRIM56	Q9BRZ2	nonmod
TRIM56	E3 ubiquitin-protein ligase TRIM56	Q9BRZ2	nonmod
TYK2	Non-receptor tyrosine-protein kinase TYK2	P29597	nonmod
TYK2	Non-receptor tyrosine-protein kinase TYK2	P29597	nonmod
UBAP2L	ubiquitin associated protein 2-like	Q14157	nonmod
UBE2N	Ubiquitin-conjugating enzyme E2 N	P61088	nonmod
VCAM1	Vascular cell adhesion protein 1	P19320	nonmod
VCAM1	Vascular cell adhesion protein 1	P19320	nonmod
VPS35	vacuolar protein sorting 35 homolog (S. cerevisiae)	Q96QK1	nonmod
WAS	Wiskott-Aldrich syndrome protein	P42768	nonmod
WAS	Wiskott-Aldrich syndrome protein	P42768	nonmod
XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	P13010	nonmod