

Description of column headings for ST2 and ST3: A, neXtProt accession code; B, Ensembl Gene number; C, protein name; D, gene name; E, chromosomal location of the gene; then evidence curated by SwissProt/neXtProt: F, Edman degradation sequencing; G, use of textbook knowledge; H, disease mutation; I, 3D structure studies; J, SwissProt protein-protein interactions; K, IntAct protein-protein interactions (Gold); L, post-translational modifications; M, antibody studies; N, functional experiments; O, mutagenesis study; then from Human Protein Atlas (HPA v19): P, Tissue Atlas reliability score (enhanced/supported/approved/uncertain validation categories); Q, consensus RNA expression specificity (from HPA, GTEx, FANTOM5); R, consensus distribution; S, tissue enriched/tissue enhanced. The red highlighted rows are the difference between 950 total neXtProt entries and the 820 for which there is knowledge about which kinds of evidence were reviewed; presumably the other 130 are older results carried forward from UniProt/SwissProt.

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
2	NX_Q96JQ5	ENSG00000110079	Membrane-spanning 4-dom	MS4A4A	11q12.2									yes		Approved	Tissue enhanced	Detected in all	adipose tissue
3	NX_Q8N895	ENSG00000178175	Zinc finger protein 366	ZNF366	5q13.2					yes				yes	yes	Uncertain	Tissue enhanced	Detected in many	adipose tissue
4	NX_Q8N895	ENSG00000284643	Small cysteine and glycine r	SCYGR2	2q36.3											N/A	Tissue enhanced	Detected in single	adipose tissue
5	NX_Q8TCY5	ENSG00000170262	Melanocortin-2 receptor acd	MRAP	21q22.11					yes				yes		Uncertain	Group enriched	Detected in some	adipose tissue,adrenal gland,breast
6	NX_Q9BZL3	ENSG00000256235	Small integral membrane pr	SMIM3	5q33.1											N/A	Group enriched	Detected in many	adipose tissue,blood,bone marrow,pancreas
7	NX_O15529	ENSG00000126251	G-protein coupled receptor 4	GPR42	19q13.12									yes		Uncertain	Tissue enhanced	Detected in some	adipose tissue,blood,intestine
8	NX_Q6LXV0	ENSG00000187871	GDNF family receptor alpha	GFRAL	6p12.1			yes	yes			yes		yes		Uncertain	Tissue enhanced	Detected in some	adipose tissue,blood,liver
9	NX_Q14843	ENSG00000185897	Free fatty acid receptor 3	FFAR3	19q13.12									yes		Uncertain	Tissue enhanced	Detected in some	adipose tissue,blood,lymphoid tissue
10	NX_A6NIM6	ENSG00000188991	Solute carrier family 15 men	SLC15A5	12p12.3										yes	Uncertain	Group enriched	Detected in some	adipose tissue,brain,breast,testis
11	NX_Q9Y278	ENSG00000122254	Heparan sulfate glucosamin	HS3ST2	16p12.2									yes		Approved	Group enriched	Detected in many	adipose tissue,brain,lung
12	NX_Q8TE60	ENSG00000140873	A disintegrin and metallopro	ADAMTS18	16q23.1			yes								Uncertain	Group enriched	Detected in some	adipose tissue,brain,placenta
13	NX_Q9Y264	ENSG00000101280	Angiotensin-converting enzy	ANGPT4	20p13				yes					yes		Uncertain	Tissue enhanced	Detected in many	adipose tissue,breast,cervix, uterine
14	NX_Q96AQ7	ENSG00000187288	Cell death activator CIDE-3	CIDE3	3p25.3				yes					yes		Approved	Group enriched	Detected in many	adipose tissue,breast,intestine
15	NX_Q3KNW5	ENSG00000145283	Solute carrier family 10 men	SLC10A6	4q21.3							yes		yes		Enhanced	Tissue enhanced	Detected in many	adipose tissue,breast,skin 1
16	NX_Q8TCW9	ENSG00000169618	Prokineticin receptor 1	PROKR1	2p13.3								yes	yes		Uncertain	Tissue enhanced	Detected in some	adipose tissue,epididymis
17	NX_Q9H295	ENSG00000164935	Dendritic cell-specific transr	DCSTAMP	8q22.3				yes					yes		N/A	Group enriched	Detected in some	adipose tissue,lung
18	NX_Q86XSS	ENSG00000187151	Angiotensin-related protein	ANGPTL5	11q22.1											Uncertain	Tissue enhanced	Detected in many	adipose tissue,ovary
19	NX_Q43320	ENSG00000196468	Fibroblast growth factor 16	FGF16	Xq21.1			yes	yes					yes		N/A	Tissue enhanced	Detected in some	adipose tissue,seminal vesicle
20	NX_Q9HBY0	ENSG00000074771	NADPH oxidase 3	NOX3	6q25.3				yes					yes		N/A	Tissue enhanced	Detected in single	adrenal gland
21	NX_Q92847	ENSG00000121853	Growth hormone secretagog	GHSR	3q26.31			yes						yes		N/A	Tissue enhanced	Detected in some	adrenal gland,blood,pituitary gland
22	NX_Q9NPC2	ENSG00000169427	Potassium channel subfamil	KCNK9	8q24.3			yes	yes					yes		N/A	Group enriched	Detected in some	adrenal gland,brain
23	NX_Q8NEW7	ENSG00000181585	Transmembrane inner ear e	TMEIE	3p21.31			yes						yes		Uncertain	Tissue enhanced	Detected in many	adrenal gland,brain
24	NX_P49683	ENSG00000119973	Prolactin-releasing peptide r	PRLHR	10q26.11				yes					yes		Enhanced	Tissue enhanced	Detected in some	adrenal gland,brain,cervix, uterine,pituitary gland,smooth muscle
25	NX_Q9HCX4	ENSG00000069018	Short transient receptor pot	TRPC7	5q31.1				yes			yes				Uncertain	Tissue enhanced	Detected in some	adrenal gland,brain,intestine,kidney,pituitary gland,testis
26	NX_P14616	ENSG00000027644	Insulin receptor-related prot	INSRR	1q23.1				yes					yes		Uncertain	Tissue enhanced	Detected in some	adrenal gland,brain,kidney
27	NX_Q9BXU9	ENSG00000183166	Calcium-binding protein 8	CALN1	7q11.22											Approved	Tissue enhanced	Detected in many	adrenal gland,brain,lymphoid tissue
28	NX_Q9NSD7	ENSG00000182631	Relaxin-3 receptor 1	RXF3	5p13.2									yes		Uncertain	Group enriched	Detected in some	adrenal gland,brain,pancreas,pituitary gland
29	NX_P14416	ENSG00000149295	D(2) dopamine receptor	DRD2	11q23.2			yes	yes					yes		Supported	Group enriched	Detected in many	adrenal gland,brain,pituitary gland
30	NX_P47211	ENSG00000166573	Galanin receptor type 1	GALR1	18q23									yes		N/A	Tissue enhanced	Detected in some	adrenal gland,brain,pituitary gland
31	NX_Q43763	ENSG00000115297	T-cell leukemia homeobox p	TLX2	2p13.1				yes							Uncertain	Tissue enhanced	Detected in some	adrenal gland,brain,retina
32	NX_Q8N895	ENSG00000140015	Potassium voltage-gated ch	KCNH5	14q23.2							yes		yes		Uncertain	Tissue enhanced	Detected in some	adrenal gland,brain,retina
33	NX_Q8WU08	ENSG00000169302	Serine/threonine-protein kin	STK32A	5q32			yes				yes				Uncertain	Tissue enhanced	Detected in many	adrenal gland,brain,retina
34	NX_Q8HWS3	ENSG00000185002	DNA-binding protein RFX6	RFX6	6q22.1			yes					yes	yes	yes	Approved	Tissue enhanced	Detected in some	adrenal gland,intestine,pancreas, stomach 1
35	NX_Q5T6X5	ENSG00000173612	G-protein coupled receptor	GPRC6A	6q22.1				yes			yes		yes		N/A	Group enriched	Detected in some	adrenal gland,kidney,prostate,salivary gland
36	NX_P30926	ENSG00000117971	Neuronal acetylcholine rece	CHRNB4	15q25.1			yes	yes					yes		N/A	Group enriched	Detected in some	adrenal gland,lymphoid tissue,retina,testis
37	NX_Q6V0L0	ENSG00000187553	Cytochrome P450 26C1	CYP26C1	10q23.33									yes		N/A	Tissue enhanced	Detected in some	adrenal gland,lymphoid tissue,testis
38	NX_Q16671	ENSG00000135409	Anti-Muellerian hormone typ	AMHR2	12q13.13			yes						yes		N/A	Tissue enhanced	Detected in some	adrenal gland,ovary,testis
39	NX_Q01718	ENSG00000185231	Adrenocorticotropic hormon	MC2R	18p11.21			yes	yes					yes		Enhanced	Group enriched	Detected in some	adrenal gland,pituitary gland
40	NX_P58418	ENSG00000163646	Clarin-1	CLRN1	3q25.1			yes						yes		Uncertain	Group enriched	Detected in some	adrenal gland,retina
41	NX_Q5VT99	ENSG00000162494	Leucine-rich repeat-containi	LRRRC38	1p36.21				yes					yes		Approved	Tissue enhanced	Detected in some	adrenal gland,skeletal muscle
42	NX_P55344	ENSG00000105370	Lens fiber membrane intrins	LIM2	19q13.41			yes						yes		N/A	Tissue enhanced	Detected in some	blood
43	NX_P05112	ENSG00000113520	Interleukin-4	IL4	5q31.1			yes						yes		Approved	Tissue enriched	Detected in some	blood
44	NX_Q9UBD3	ENSG00000143185	Cytokine SCM-1 beta	XCL2	1q24.2			yes						yes		Approved	Tissue enhanced	Detected in many	blood
45	NX_Q9NV12	ENSG00000146859	Transmembrane protein 140	TMEM140	7q33											N/A	Tissue enhanced	Detected in all	blood
46	NX_P51677	ENSG00000183625	C-C chemokine receptor typ	CCR3	3p21.31				yes					yes		Uncertain	Tissue enriched	Detected in many	blood
47	NX_A1A4Y4	ENSG00000237693	Immunity-related GTPase fa	IRGM	5q33.1								yes	yes		N/A	Tissue enhanced	Detected in some	blood
48	NX_P49019	ENSG00000255398	Hydroxycarboxylic acid rece	HCAR3	12q24.31									yes		Approved	Tissue enhanced	Detected in many	blood
49	NX_Q723S9	ENSG00000264343	Notch homolog 2 N-termina	NOTCH2NLA	1q21.1				yes					yes		Uncertain	Tissue enhanced	Detected in many	blood
50	NX_Q9H205	ENSG00000279486	Olfactory receptor 2AG1	OR2AG1	11p15.4									yes		N/A	Tissue enhanced	Detected in single	blood
51	NX_Q0A0B4J2D5	ENSG00000280071	Glutamine amidotransferase	GATD3B	21p12			yes								Uncertain	Tissue enhanced	Detected in many	blood
52	NX_P13725	ENSG00000099985	Oncostatin-M	OSM	22q12.2			yes						yes		N/A	Tissue enhanced	Detected in many	blood,bone marrow
53	NX_Q9HC23	ENSG00000163421	Prokineticin-2	PROK2	3p13			yes						yes		Approved	Tissue enhanced	Detected in many	blood,bone marrow
54	NX_A6NND4	ENSG00000171561	Olfactory receptor 2AT4	OR2AT4	11q13.4								yes	yes		N/A	Tissue enhanced	Detected in some	blood,bone marrow
55	NX_Q6LUXZ3	ENSG00000204345	CMRF35-like molecule 5	CD300LD	17q25.1				yes					yes		Uncertain	Tissue enhanced	Detected in some	blood,bone marrow
56	NX_Q8WVW9	ENSG00000074706	Interactor protein for cytohe	IPCEF1	6q25.2			yes	yes							Enhanced	Group enriched	Detected in many	blood,bone marrow,brain,lymphoid tissue,thyroid gland
57	NX_Q8TDU9	ENSG00000173080	Relaxin-3 receptor 2	RXF4	1q22									yes		N/A	Group enriched	Detected in some	blood,bone marrow,intestine
58	NX_Q8NHV4	ENSG00000276070	C-C motif chemokine 4-like	CCL4L1, CCL4L2	11q22				yes					yes		N/A	Tissue enhanced	Detected in many	blood,bone marrow,lung
59	NX_P59046	ENSG00000142405	NACHT, LRR and PYD dom	NLRP12	19q13.42			yes	yes					yes		Approved	Group enriched	Detected in many	blood,bone marrow,lung,lymphoid tissue
60	NX_Q95256	ENSG00000115607	Interleukin-18 receptor acce	IL18RAP	2q12.1			yes	yes				yes	yes		Enhanced	Tissue enhanced	Detected in many	blood,bone marrow,lymphoid tissue
61	NX_Q9UBK5	ENSG00000126264	Hematopoietic cell signal tra	HBST	19q13.12				yes				yes	yes		Enhanced	Tissue enhanced	Detected in many	blood,bone marrow,lymphoid tissue
62	NX_Q6F173	ENSG00000203812,ENSG00000141977	Histone H2A type 2-A	HIST2H2AA3, HIST2H2AA4	1q21.2			yes	yes				yes	yes		Supported	Group enriched,Tissue enha	Detected in many	blood,bone marrow,lymphoid tissue
63	NX_Q96Q77	ENSG00000141977	Calcium and integrin-binding	CIB3	19p13.11				yes					yes		Uncertain	Group enriched	Detected in some	blood,bone marrow,testis
64	NX_Q95399	ENSG00000049247	Urotensin-2	UTS2	1p36.23			yes						yes		Uncertain	Tissue enhanced	Detected in some	blood,brain
65	NX_P41146	ENSG00000125510	Nociceptin receptor	OPRL1	20q13.33				yes					yes		N/A	Tissue enhanced	Detected in many	blood,brain
66	NX_P26717	ENSG00000205809	NKG2-C type II integral mer	KLRC2	12p13.2			yes	yes					yes		N/A	Tissue enhanced	Detected in many	blood,brain
67	NX_P0DMS8	ENSG00000282608	Adenosine receptor A3	ADORA3	1p13.2			yes						yes		N/A	Group enriched	Detected in many	blood,brain
68	NX_P48145	ENSG00000183729	Neuropeptides B/W recepto	NPBWR1	8q11.23														

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
87	NX_Q16559	ENSG00000186051	T-cell acute lymphocytic leu	TAL2	9q31.2						yes					Uncertain	Group enriched	Detected in some	blood,kidney,skeletal muscle
88	NX_Q81ZU0	ENSG00000177138	Protein FAM9B	FAM9B	Xp22.31						yes					Uncertain	Tissue enhanced	Detected in some	blood,liver,testis
89	NX_P13236	ENSG00000275302	C-C motif chemokine 4	CCL4	17q12			yes	yes	yes	yes	yes	yes	yes	yes	Approved	Group enriched	Detected in many	blood,lung,lymphoid tissue
90	NX_P47992	ENSG00000143184	Lymphotoxin	XCL1	1q24.2			yes	yes	yes	yes					Approved	Group enriched	Detected in many	blood,lymphoid tissue
91	NX_Q5VWK5	ENSG00000162594	Interleukin-23 receptor	IL23R	1p31.3				yes	yes	yes	yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in some	blood,lymphoid tissue
92	NX_Q13007	ENSG00000162892	Interleukin-24	IL24	1q32.1				yes	yes	yes	yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in many	blood,lymphoid tissue
93	NX_Q6ISU1	ENSG00000171611	Pre T-cell antigen receptor	PTCRA	6p21.1				yes	yes	yes	yes				N/A	Group enriched	Detected in some	blood,lymphoid tissue
94	NX_Q8WXG8	ENSG00000171643	Protein S100-Z	S100Z	5q13.3	yes			yes	yes	yes					Approved	Tissue enhanced	Detected in many	blood,lymphoid tissue
95	NX_P10966	ENSG00000172116	T-cell surface glycoprotein	CD8B	2p11.2				yes	yes		yes	yes	yes	yes	Enhanced	Group enriched	Detected in many	blood,lymphoid tissue
96	NX_Q93077	ENSG00000180573	Histone H2A type 1-C	HIST1H2AC	6p22.2				yes	yes		yes	yes	yes	yes	Supported	Group enriched	Detected in all	blood,lymphoid tissue
97	NX_P62807	ENSG00000180596	Histone H2B type 1-C/E/F/G	H2BC10, H2BC4	6p22.2	yes			yes	yes	yes	yes	yes	yes	yes	Supported	Group enriched,Tissue enha	Detected in all,Detected in r	blood,lymphoid tissue
98	NX_Q9H2W2	ENSG00000185155	Homeobox protein MIXL1	MIXL1	1q42.12							yes	yes	yes	yes	N/A	Tissue enhanced	Detected in some	blood,lymphoid tissue
99	NX_P46098	ENSG00000166736	5-hydroxytryptamine recept	HTR3A	11q23.2					yes	yes			yes	yes	Supported	Tissue enhanced	Detected in some	blood,lymphoid tissue,salivary gland
100	NX_Q00155	ENSG00000170128	Probable G-protein coupled	GPR25	1q32.1						yes			yes	yes	N/A	Tissue enhanced	Detected in some	blood,lymphoid tissue,stomach 1
101	NX_Q57IA1	ENSG00000167077	Meiosis inhibitor protein 1	MEI1	22q13.2			yes								Approved	Tissue enhanced	Detected in many	blood,lymphoid tissue,testis
102	NX_P51685	ENSG00000179934	C-C chemokine receptor typ	CCR8	3p22.1									yes	yes	Enhanced	Group enriched	Detected in some	blood,lymphoid tissue,urinary bladder
103	NX_Q99665	ENSG00000081985	Interleukin-12 receptor sub	IL12RB2	1p31.3				yes	yes		yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in many	blood,pancreas
104	NX_Q86XJ0	ENSG00000183128	Calcium homeostasis modu	CALHM3	10q24.33						yes					Uncertain	Tissue enhanced	Detected in some	blood,pancreas,testis
105	NX_Q6QHK4	ENSG00000183733	Factor in the germline alpha	FIGLA	2p13.3					yes				yes	yes	Supported	Tissue enhanced	Detected in some	blood,pancreas,testis
106	NX_Q9BQS6	ENSG00000260325	Heat shock protein beta-9	HSPB9	17q21.2						yes					N/A	Tissue enhanced	Detected in some	blood,pancreas,testis
107	NX_Q6XD76	ENSG00000187855	Achaete-scute homolog 4	ASCL4	12q23.3									yes	yes	Uncertain	Tissue enhanced	Detected in some	blood,parathyroid gland
108	NX_Q8WFX3	ENSG00000171136	Relaxin-3	RLN3	19p13.12	yes			yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in some	blood,parathyroid gland,testis
109	NX_Q17RF5	ENSG00000174792	Odontogenesis associated	ODAPH	4q21.1						yes			yes	yes	N/A	Group enriched	Detected in some	blood,placenta
110	NX_Q9BXT2	ENSG00000130433	Voltage-dependent calcium	CACNG6	19q13.42					yes				yes	yes	N/A	Group enriched	Detected in some	blood,skeletal muscle
111	NX_P03901	ENSG00000212907	NADH-ubiquinone oxidoredu	MT-ND4L	MT		yes	yes								N/A	Tissue enhanced	Detected in all	blood,skeletal muscle
112	NX_B2CW77	ENSG00000227268	Killin	KLLN	10q23.31									yes	yes	N/A	Tissue enhanced	Detected in many	blood,skeletal muscle
113	NX_Q9NZD1	ENSG00000111291	G-protein coupled receptor	GPRC5D	12p13.1						yes					Approved	Tissue enhanced	Detected in many	blood,skin 1
114	NX_Q8N8W4	ENSG00000180316	Patatin-like phospholipase d	PNPLA1	6p21.31		yes					yes				N/A	Tissue enhanced	Detected in some	blood,skin 1
115	NX_P60328	ENSG00000205439	Keratin-associated protein 1	KRTAP12-3	21q22.3					yes	yes			yes	yes	N/A	Group enriched	Detected in some	blood,skin 1
116	NX_D3W0D1	ENSG00000256797	Killer cell lectin-like receptor	KLRF2	12p13.31				yes	yes		yes	yes	yes	yes	N/A	Tissue enhanced	Detected in some	blood,skin 1
117	NX_Q8NFR3	ENSG00000196542	Serine palmitoyltransferase	SPTSSB	3q26.1					yes				yes	yes	N/A	Tissue enhanced	Detected in many	blood,skin 1,stomach 1
118	NX_Q723Y9	ENSG00000186393	Keratin, type I cytoskeletal 2	KRT26	17q21.2								yes			Enhanced	Group enriched	Detected in some	blood,skin 1,testis
119	NX_P0CL81	ENSG00000215269	G antigen 12G	GAGE12G	Xp11.23					yes						Supported	Group enriched	Detected in some	blood,stomach 1
120	NX_Q9H9S0	ENSG00000117704	Homeobox protein NANOG	NANOG	12p13.31				yes	yes	yes		yes	yes	yes	Supported	Tissue enhanced	Detected in some	blood,testis
121	NX_P05113	ENSG00000113525	Interleukin-5	IL5	5q31.1	yes			yes	yes	yes	yes	yes	yes	yes	Approved	Tissue enhanced	Detected in some	blood,testis
122	NX_Q97980	ENSG00000158497	Minor histocompatibility prot	MHMB1	5q31.3	yes			yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in some	blood,testis
123	NX_P0CJ25	ENSG00000168930	Tripartite motif-containing p	TRIM49	11q14.3						yes					N/A	Tissue enhanced	Detected in some	blood,testis
124	NX_A6NMN3	ENSG00000172538	Protein FAM170B	FAM170B	10q11.23					yes						Uncertain	Group enriched	Detected in some	blood,testis
125	NX_P0CL80	ENSG00000236362	G antigen 12F	GAGE12F	Xp11.23						yes					Supported	Group enriched	Detected in some	blood,testis
126	NX_P33763	ENSG00000196420	Protein S100-A5	S100A5	1q21.3				yes	yes				yes	yes	N/A	Tissue enhanced	Detected in many	blood,thyroid gland
127	NX_Q5TGU0	ENSG00000112212	Translocator protein 2	TSPO2	6p21.1						yes			yes	yes	N/A	Tissue enriched	Detected in some	bone marrow
128	NX_Q6LJX52	ENSG00000187997	Protein IL-40	C17orf99	17q25.3	yes										Uncertain	Tissue enriched	Detected in some	bone marrow
129	NX_Q8N2N9	ENSG00000196912	Ankyrin repeat domain-conta	ANKRD36B	2q11.2						yes					N/A	Tissue enhanced	Detected in many	bone marrow
130	NX_Q574T1	ENSG00000205269	Transmembrane protein 170	TMEM170B	6p24.2				yes	yes		yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in all	bone marrow
131	NX_Q8NFJ6	ENSG00000101292	Prokineticin receptor 2	PROKR2	20p12.3			yes	yes	yes				yes	yes	Uncertain	Tissue enhanced	Detected in some	bone marrow,brain
132	NX_Q8TAF8	ENSG00000197753	LHFPL tetraspan subfamily	LHFPL5	6p21.31			yes			yes					Uncertain	Group enriched	Detected in some	bone marrow,brain,epididymis,pancreas
133	NX_O14842	ENSG00000126266	Free fatty acid receptor 1	FFAR1	19q13.12				yes				yes	yes	yes	N/A	Tissue enhanced	Detected in some	bone marrow,brain,ovary,pancreas
134	NX_P08700	ENSG00000164399	Interleukin-3	IL3	5q31.1					yes			yes	yes	yes	N/A	Tissue enhanced	Detected in some	bone marrow,lymphoid tissue
135	NX_Q494W8	ENSG00000166664	CHRNA7-FAM7A fusion pro	CHRFAM7A	15q13.2						yes					N/A	Tissue enhanced	Detected in many	bone marrow,parathyroid gland
136	NX_Q57764	ENSG00000204010	Interferon-induced protein w	IFIT1B	10q23.31						yes					Approved	Group enriched	Detected in some	bone marrow,placenta
137	NX_Q94810	ENSG00000076344	Regulator of G-protein signa	RGS11	16p13.3								yes	yes	yes	Uncertain	Tissue enhanced	Detected in many	brain
138	NX_Q9NP95	ENSG00000078579	Fibroblast growth factor 20	FGF20	8p22			yes	yes					yes	yes	N/A	Tissue enhanced	Detected in some	brain
139	NX_Q15319	ENSG00000091010	POU domain, class 4, trans	POU4F3	5q32		yes							yes	yes	Uncertain	Tissue enhanced	Detected in some	brain
140	NX_Q92737	ENSG00000100276	Ras-like protein family mem	RASL10A	22q12.2						yes			yes	yes	Approved	Tissue enriched	Detected in many	brain
141	NX_Q9Y5N1	ENSG00000101180	Histamine H3 receptor	HRH3	20q13.33								yes	yes	yes	N/A	Tissue enriched	Detected in some	brain
142	NX_Q43364	ENSG00000105996	Homeobox protein Hox-A2	HOXA2	7p15.2		yes						yes	yes	yes	N/A	Tissue enhanced	Detected in many	brain
143	NX_Q13324	ENSG00000106113	Corticotropin-releasing fact	CRHR2	7p14.3			yes	yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in many	brain
144	NX_Q9UPM6	ENSG00000106852	LIM/homeobox protein Lhx6	LHX6	9q33.2						yes					Approved	Tissue enhanced	Detected in many	brain
145	NX_Q75443	ENSG00000109927	Alpha-tectorin	TECTA	11q23.3		yes		yes	yes		yes				Approved	Tissue enhanced	Detected in many	brain
146	NX_Q9NP25	ENSG00000112309	Galactosylgalactosylxylosyl	B3GAT2	6q13			yes								Uncertain	Tissue enriched	Detected in many	brain
147	NX_Q9Y466	ENSG00000112333	Nuclear receptor subfamily	NR2E1	6q21			yes			yes					Uncertain	Tissue enriched	Detected in some	brain
148	NX_P41143	ENSG00000116329	Delta-type opioid receptor	OPRD1	1p35.3			yes	yes	yes	yes	yes	yes	yes	yes	Approved	Tissue enhanced	Detected in some	brain
149	NX_P01286	ENSG00000118702	Somatoliberin	GHRH	20q11.23	yes			yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enriched	Detected in some	brain
150	NX_Q95800	ENSG00000119737	Probable G-protein coupled	GPR75	2p16.2		yes						yes			N/A	Tissue enhanced	Detected in many	brain
151	NX_Q9NYW2	ENSG00000121314	Taste receptor type 2 mem	TAS2R8	12p13.2							yes				N/A	Tissue enhanced	Detected in single	brain
152	NX_Q43613	ENSG00000121764	Orexin receptor type 1	HCRTR1	1p35.2			yes			yes		yes	yes	yes	Approved	Tissue enhanced	Detected in some	brain
153	NX_P41968	ENSG00000124089																	

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
172	NX_Q8IZ57	ENSG00000152954	Neurensin-1	NRSN1	6p22.3						yes			yes		Uncertain	Tissue enriched	Detected in many	brain
173	NX_Q8NDV2	ENSG00000154478	G-protein coupled receptor	GPR26	10q26.13									yes	yes	Enhanced	Tissue enriched	Detected in single	brain
174	NX_Q14604	ENSG00000154620	Thymosin beta-4, Y-chrom	TMSB4Y	Yq11.221						yes					N/A	Tissue enhanced	Detected in many	brain
175	NX_Q9JULS6	ENSG00000156486	Potassium voltage-gated ch	KCNK2	8q22.2						yes					Uncertain	Tissue enriched	Detected in many	brain
176	NX_P50406	ENSG00000158748	5-hydroxytryptamine recept	HTR6	1p36.13					yes	yes					Uncertain	Tissue enriched	Detected in some	brain
177	NX_Q61CH4	ENSG00000160781	Membrane progesterin recept	PAQR6	1q22		yes			yes						N/A	Tissue enriched	Detected in many	brain
178	NX_Q43612	ENSG00000161610	Orexin	HCRT	17q21.2			yes	yes							Enhanced	Tissue enriched	Detected in some	brain
179	NX_Q9H3M0	ENSG00000162975	Potassium voltage-gated ch	KCNF1	2p25.1					yes						Enhanced	Tissue enriched	Detected in many	brain
180	NX_Q6PIU1	ENSG00000164794	Potassium voltage-gated ch	KCNV1	8q23.2					yes						N/A	Tissue enriched	Detected in some	brain
181	NX_Q96NL1	ENSG00000164841	Transmembrane protein 74	TMEM74	8q23.1					yes						Uncertain	Tissue enhanced	Detected in many	brain
182	NX_Q96P66	ENSG00000165370	Probable G-protein coupled	GPR101	Xq26.3			yes								Uncertain	Tissue enriched	Detected in single	brain
183	NX_Q95665	ENSG00000169006	Neurotensin receptor type 2	NTSR2	2p25.1							yes	yes			N/A	Tissue enriched	Detected in many	brain
184	NX_Q8TAE7	ENSG00000171126	Potassium voltage-gated ch	KCNK3	2p21					yes						N/A	Tissue enhanced	Detected in many	brain
185	NX_Q5XKR4	ENSG00000171540	Homeobox protein orthoped	OTP	5q14.1								yes	yes		Enhanced	Tissue enriched	Detected in some	brain
186	NX_Q86YD7	ENSG00000171847	Protein FAM90A1	FAM90A1	12p13.31						yes					N/A	Tissue enhanced	Detected in many	brain
187	NX_P25100	ENSG00000171873	Alpha-1D adrenergic recept	ADRA1D	20p13					yes	yes					Uncertain	Tissue enhanced	Detected in many	brain
188	NX_Q6PI25	ENSG00000174871	Protein cornichon homolog	CNIH2	11q13.2					yes						N/A	Tissue enriched	Detected in many	brain
189	NX_Q8N966	ENSG00000177108	Palmitoyltransferase ZDHH	ZDHH2	14q24.3					yes						N/A	Tissue enriched	Detected in many	brain
190	NX_Q9J9J6	ENSG00000178342	Potassium voltage-gated ch	KCNK2	18q23					yes						Enhanced	Tissue enriched	Detected in some	brain
191	NX_P58400	ENSG00000179915	Neurexin-1-beta	NRXN1	2p16.3			yes								N/A	Tissue enriched	Detected in many	brain
192	NX_P46089	ENSG00000181773	G-protein coupled receptor	GPR3	1p36.11									yes		Uncertain	Tissue enhanced	Detected in many	brain
193	NX_P51861	ENSG00000184258	Cerebellar degeneration-rel	CDR1	Xq27.1						yes					N/A	Tissue enriched	Detected in some	brain
194	NX_Q9HB15	ENSG00000184261	Potassium channel subfamil	KCNK12	2p16.3										yes	N/A	Tissue enriched	Detected in many	brain
195	NX_Q5H9J7	ENSG00000184515	Protein BEX5	BEX5	Xq22.1						yes					Enhanced	Tissue enhanced	Detected in many	brain
196	NX_P08912	ENSG00000184984	Muscarinic acetylcholine red	CHRM5	15q14									yes		Uncertain	Tissue enriched	Detected in some	brain
197	NX_Q96AQ9	ENSG00000185519	Protein FAM131C	FAM131C	1p36.13											Uncertain	Tissue enhanced	Detected in many	brain
198	NX_Q14D33	ENSG00000188011	Receptor-transporting prote	RTP5	2q37.3						yes					Enhanced	Tissue enriched	Detected in some	brain
199	NX_Q6JUWM7	ENSG00000188501	Lactase-like protein	LCTL	15q22.31		yes									N/A	Tissue enhanced	Detected in some	brain
200	NX_P49335	ENSG00000196767	POU domain, class 3, trans	POU3F4	Xq21.1			yes		yes						N/A	Tissue enriched	Detected in some	brain
201	NX_P52744	ENSG00000197008	Zinc finger protein 138	ZNF138	7q11.21									yes		N/A	Tissue enhanced	Detected in all	brain
202	NX_A4GXA9	ENSG00000197774	Probable crossover junction	EME2	16p13.3					yes						Uncertain	Tissue enhanced	Detected in many	brain
203	NX_Q5TAB7	ENSG00000203877	Protein ripply2	RIPPLY2	6q14.2						yes					Uncertain	Tissue enhanced	Detected in many	brain
204	NX_Q5SRR4	ENSG00000204428	Lymphocyte antigen 6 comp	LY6G5C	6p21.33				yes			yes				Approved	Tissue enhanced	Detected in some	brain
205	NX_Q9Y5H9	ENSG00000204969	Protocadherin alpha-2	PCDHA2	5q31.3	yes										Uncertain	Tissue enhanced	Detected in many	brain
206	NX_Q7RTU4	ENSG00000205899	Class A basic helix-loop-hel	BHLHA9	17p13.3			yes		yes						N/A	Tissue enriched	Detected in single	brain
207	NX_Q9H0X6	ENSG00000212864	RING finger protein 208	RNF208	9q34.3						yes					Uncertain	Tissue enhanced	Detected in many	brain
208	NX_Q9UHC3	ENSG00000213199	Acid-sensing ion channel 3	ASIC3	7q36.1					yes						Enhanced	Tissue enhanced	Detected in many	brain
209	NX_P0C7T4	ENSG00000221887	Minor histocompatibility prot	HMSD	18q22.1					yes						N/A	Tissue enriched	Detected in many	brain
210	NX_Q95411	ENSG00000221995	TGFB1-induced anti-apopto	TIAF1	17q11.2						yes					N/A	Tissue enhanced	Detected in many	brain
211	NX_Q00230	ENSG00000241563	Cortistatin	CORT	1p36.22						yes					N/A	Tissue enriched	Detected in many	brain
212	NX_P26441	ENSG00000242689	Ciliary neurotrophic factor	CNTF	11q12.1			yes		yes						Approved	Tissue enriched	Detected in many	brain
213	NX_B3KU38	ENSG00000283154	IQCJ-SCHIP1 readthrough	IQCJ-SCHIP1	3q25.32					yes						Approved	Tissue enhanced	Detected in many	brain
214	NX_Q8NEQ6	ENSG00000183888	Steroid receptor-associated	SRAP	1p36.13					yes						Uncertain	Tissue enhanced	Detected in many	brain,breast
215	NX_Q75311	ENSG00000145451	Glycine receptor subunit alp	GLRA3	4q34.1			yes		yes		yes				N/A	Group enriched	Detected in some	brain,breast,pituitary gland
216	NX_Q8IWL8	ENSG00000256762	Saitohin	STH	17q21.31					yes						N/A	Tissue enhanced	Detected in some	brain,breast,placenta,skeletal muscle
217	NX_P04201	ENSG00000130368	Proto-oncogene Mas	MAS1	6q25.3					yes			yes	yes		N/A	Tissue enhanced	Detected in some	brain,cervix,uterine
218	NX_Q92915	ENSG00000102466	Fibroblast growth factor 14	FGF14	13q33.1		yes			yes						N/A	Group enriched	Detected in many	brain,cervix,uterine,fallopian tube
219	NX_Q8WXD0	ENSG00000133103	Relaxin receptor 2	RXF2	13q13.1		yes	yes								N/A	Tissue enhanced	Detected in some	brain,epididymis
220	NX_P46597	ENSG00000196435	Acetylserotonin O-methyltr	ASMT	Xp22.33			yes	yes			yes	yes			N/A	Tissue enhanced	Detected in many	brain,epididymis
221	NX_Q495M9	ENSG00000182040	Usher syndrome type-1G pr	USH1G	17q25.1		yes	yes	yes	yes						Uncertain	Tissue enhanced	Detected in many	brain,epididymis,esophagus
222	NX_Q8NBB4	ENSG00000152467	Zinc finger and SCAN doma	ZSCAN1	19q13.43						yes					Uncertain	Tissue enhanced	Detected in many	brain,epididymis,pituitary gland
223	NX_A6N161	ENSG00000187616	Protein myomaker	MYMK	9q34.2		yes									Uncertain	Tissue enhanced	Detected in some	brain,epididymis,skeletal muscle
224	NX_Q9GQ35	ENSG00000155749	Flagellum-associated coiled	FLACC1	2q33.1						yes					N/A	Tissue enhanced	Detected in many	brain,epididymis,testis
225	NX_Q51U53	ENSG00000158816	von Willebrand factor A dom	VWFA5B1	1p36.12											Enhanced	Tissue enhanced	Detected in some	brain,epididymis,testis
226	NX_Q971E5	ENSG00000165509	Melanoma-associated antig	MAGEC3	Xq27.2											Approved	Tissue enhanced	Detected in some	brain,epididymis,testis
227	NX_Q7RTU3	ENSG00000177468	Oligodendrocyte transcriptid	OLIG3	6q23.3						yes			yes		Uncertain	Tissue enhanced	Detected in some	brain,esophagus,placenta
228	NX_P32245	ENSG00000166603	Melanocortin receptor 4	MCLR4	18q21.32		yes	yes	yes	yes		yes				Uncertain	Tissue enhanced	Detected in some	brain,fallopian tube
229	NX_Q56UN5	ENSG00000176601	Mitogen-activated protein kil	MAP3K19	2q21.3								yes	yes		N/A	Tissue enhanced	Detected in some	brain,fallopian tube
230	NX_P28336	ENSG00000135577	Neurotrophin-3 receptor	NMBR	6q24.1								yes	yes		N/A	Group enriched	Detected in some	brain,fallopian tube,testis
231	NX_Q43825	ENSG00000162630	Beta-1,3-galactosyltransfer	B3GALT2	1q31.2											N/A	Tissue enhanced	Detected in many	brain,gallbladder,heart muscle
232	NX_P81277	ENSG00000071677	Prolactin-releasing peptide	PRLH	2q37.3											Approved	Tissue enhanced	Detected in some	brain,heart muscle
233	NX_Q9NU63	ENSG00000204644	Zinc finger protein 57 homol	ZFP57	6p22.1		yes									Uncertain	Tissue enhanced	Detected in many	brain,heart muscle
234	NX_Q13639	ENSG00000164270	5-hydroxytryptamine recept	HTR4	5q32			yes	yes	yes						Enhanced	Group enriched	Detected in some	brain,heart muscle,intestine,pituitary gland
235	NX_A1L167	ENSG00000215218	Ubiquitin-conjugating enzym	UBE2QL1	5p15.31					yes						N/A	Group enriched	Detected in many	brain,heart muscle,retina,seminal vesicle,skeletal muscle
236	NX_P0DPB3	ENSG00000151967	Schwannomin-interacting pr	SCHIP1	3q25.33					yes						Uncertain	Group enriched	Detected in many	brain,heart muscle,skeletal muscle
237	NX_P23416	ENSG00000101958	Glycine receptor subunit alp	GLRA2	Xp22.2											Approved	Group enriched	Detected in some	brain,intestine
238	NX_Q9Y4Z2	ENSG00000122859	Neurogenin-3	NEUROG3	10q22.1		yes			yes						Uncertain	Tissue enhanced	Detected in some	brain,intestine
239	NX_P28221	ENSG00000179546	5-hydroxytryptamine recept	HTR1D	1p36.12				yes				yes	yes		N/A	Tissue enhanced	Detected in some	brain,intestine
240	NX_P48039	ENSG00000168412	Melatonin receptor type 1A	MTNR1A	4														

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
342	NX_P60153	ENSG00000188655	Inactive ribonuclease-like pr	RNASE9	14q11.2	yes							yes	yes		N/A	Tissue enriched	Detected in single	epididymis
343	NX_Q9Y691	ENSG00000197584	Calcium-activated potassium	KCNMB2	3q26.32			yes	yes			yes	yes	yes		Uncertain	Tissue enhanced	Detected in many	epididymis
344	NX_Q5J5C9	ENSG00000204548	Beta-defensin 121	DEFB121	20q11.21											N/A	Tissue enriched	Detected in some	epididymis
345	NX_Q9NYV9	ENSG00000212128	Taste receptor type 2 mem	TAS2R13	12p13.2									yes		N/A	Tissue enhanced	Detected in single	epididymis
346	NX_Q75715	ENSG00000224586	Epididymal secretory glutath	GPX5	6p22.1				yes							N/A	Tissue enriched	Detected in some	epididymis
347	NX_P62502	ENSG00000267206	Epididymal-specific lipocalin	LCN6	9q34.3											N/A	Tissue enriched	Detected in many	epididymis
348	NX_P33032	ENSG00000176136	Melanocortin receptor 5	MC5R	18p11.21						yes		yes	yes	Approved	Tissue enhanced	Detected in some	epididymis,esophagus	
349	NX_Q8IV77	ENSG00000132259	Cyclic nucleotide-gated cati	CNGA4	11p15.4					yes				yes	yes	N/A	Tissue enhanced	Detected in some	epididymis,fallopian tube,ovary
350	NX_Q9NXI6	ENSG00000178828	E3 ubiquitin-protein ligase R	RNF186	1p36.13					yes		yes	yes	yes	Enhanced	Group enriched	Detected in some	epididymis,intestine,kidney,pancreas	
351	NX_Q9ND59	ENSG00000165188	E3 ubiquitin-protein ligase R	RNF183	9q32					yes	yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in some	epididymis,kidney	
352	NX_Q96DL1	ENSG00000204361	NXPE family member 2	NXPE2	11q23.3						yes				Enhanced	Group enriched	Detected in some	epididymis,salivary gland	
353	NX_Q07510	ENSG00000196811	Acetylcholine receptor subu	CHRNA7	2q37.1		yes		yes		yes		yes		N/A	Group enriched	Detected in some	epididymis,skeletal muscle	
354	NX_Q9NTQ9	ENSG00000189433	Gap junction beta-4 protein	GJB4	1p34.3		yes								Enhanced	Tissue enhanced	Detected in many	epididymis,skin 1	
355	NX_Q9Y6F7	ENSG00000129873	Testis-specific chromodoma	CDY2A, CDY2B	Yq11.222			yes							Supported	Group enriched,Tissue enri	Detected in single,Detected	epididymis,testis	
356	NX_P26371	ENSG00000254997	Keratin-associated protein 5	KRTAP5-9	11q13.4				yes		yes		yes		N/A	Tissue enhanced	Detected in some	epididymis,testis,urinary bladder	
357	NX_P21145	ENSG00000172005	Myelin and lymphocyte prot	MAL	2q11.1					yes	yes		yes		N/A	Tissue enriched	Detected in many	esophagus	
358	NX_E2RYF6	ENSG00000261272	Mucin-22	MUC22	6p21.3								yes		N/A	Tissue enriched	Detected in some	esophagus	
359	NX_Q7X126	ENSG00000182938	Proton channel OTOF3	OTOF3	17q25.1										N/A	Group enriched	Detected in some	esophagus,intestine	
360	NX_Q95947	ENSG00000149922	T-box transcription factor TB	TBX6	16p11.2					yes				yes	N/A	Tissue enhanced	Detected in many	esophagus,lymphoid tissue,pancreas	
361	NX_Q9NZH7	ENSG00000136696	Interleukin-36 beta	IL36B	2q14.1						yes		yes	yes	Uncertain	Group enriched	Detected in some	esophagus,lymphoid tissue,skin 1	
362	NX_Q05066	ENSG00000184895	Sex-determining region Y pr	SRY	Yp11.2		yes	yes		yes	yes		yes	yes	N/A	Group enriched	Detected in some	esophagus,lymphoid tissue,skin 1,testis	
363	NX_O15353	ENSG00000109101	Forkhead box protein N1	FOXP1	17q11.2			yes					yes		N/A	Tissue enhanced	Detected in some	esophagus,lymphoid tissue,skin 1,tongue	
364	NX_Q5YY80	ENSG00000155918	UL16-binding protein 6	RAET1L	6q25.1			yes	yes	yes			yes		N/A	Tissue enhanced	Detected in some	esophagus,lymphoid tissue,tongue	
365	NX_P0DP57	ENSG00000283992	Secreted Ly-6/uPAR domain	SLURP2	8q24.3			yes	yes			yes	yes		N/A	Tissue enhanced	Detected in some	esophagus,lymphoid tissue,tongue	
366	NX_Q96PD4	ENSG00000112116	Interleukin-17F	IL17F	6p12.2	yes	yes	yes	yes		yes	yes	yes		N/A	Group enriched	Detected in some	esophagus,lymphoid tissue,urinary bladder	
367	NX_Q96QI5	ENSG00000162040	Heparan sulfate glucosamin	HS3ST6	16p13.3								yes		N/A	Tissue enhanced	Detected in some	esophagus,skin 1	
368	NX_Q8N8X9	ENSG00000173212	Protein mab-21-like 3	MAB21L3	1p13.1						yes				Uncertain	Tissue enhanced	Detected in many	esophagus,skin 1	
369	NX_Q6LXL0	ENSG00000174564	Interleukin-20 receptor subu	IL20RB	3q22.3	yes		yes	yes				yes		N/A	Tissue enhanced	Detected in many	esophagus,skin 1	
370	NX_Q8TDN7	ENSG00000167769	Alkaline ceramidase 1	ACER1	19p13.3		yes								N/A	Group enriched	Detected in some	esophagus,skin 1,tongue	
371	NX_Q96LB9	ENSG00000159527	Peptidoglycan recognition p	PGLYRP3	1q21.3			yes	yes			yes	yes		Uncertain	Tissue enhanced	Detected in some	esophagus,skin 1,vagina	
372	NX_P14653	ENSG00000120094	Homeobox protein Hox-B1	HOXB1	17q21.32		yes	yes					yes	yes	Uncertain	Tissue enhanced	Detected in some	esophagus,testis,urinary bladder	
373	NX_Q8N1N2	ENSG00000178690	Dynactin-associated protein	DYNAP	18q21.2			yes				yes	yes		Uncertain	Group enriched	Detected in some	esophagus,tongue	
374	NX_Q9JUBK7	ENSG00000144134	Rab-like protein 2A	RABL2A	2q14.1					yes					Approved	Tissue enhanced	Detected in many	fallopian tube	
375	NX_P0C5J1	ENSG00000145002	Putative protein N-methyltr	FAM86B2	8p23.1					yes					Uncertain	Tissue enhanced	Detected in many	fallopian tube	
376	NX_Q6UWJ8	ENSG00000174950	CD164 sialomucin-like 2 pr	CD164L2	1p36.11						yes				Enhanced	Tissue enhanced	Detected in many	fallopian tube	
377	NX_P15382	ENSG00000180509	Potassium voltage-gated ch	KCNE1	21q22.12		yes	yes	yes	yes	yes		yes	yes	N/A	Tissue enhanced	Detected in many	fallopian tube	
378	NX_Q8N841	ENSG00000170703	Tubulin polyglutamylase T1	TTL6	17q21.32			yes							Enhanced	Tissue enhanced	Detected in some	fallopian tube,intestine,testis	
379	NX_A6NCL1	ENSG00000205835	Geminin coiled-coil domain-	GMNC	3q28										Uncertain	Tissue enhanced	Detected in some	fallopian tube,kidney,liver	
380	NX_Q8WZ04	ENSG00000184154	Transmembrane O-methyltr	LRTOMT	11q13.4		yes						yes		Approved	Tissue enhanced	Detected in all	fallopian tube,testis	
381	NX_Q56P42	ENSG00000253548	Pyrin domain-containing pro	PYDC2	3q28				yes		yes		yes		Uncertain	Group enriched	Detected in some	fallopian tube,testis	
382	NX_P46663	ENSG00000100739	B1 bradykinin receptor	BDKRB1	14q32.2					yes			yes		Approved	Tissue enhanced	Detected in many	gallbladder,lymphoid tissue	
383	NX_P13945	ENSG00000188778	Beta-3 adrenergic receptor	ADRB3	8p11.23			yes	yes				yes		Uncertain	Tissue enhanced	Detected in many	gallbladder,ovary,smooth muscle	
384	NX_P23945	ENSG00000170820	Follicle-stimulating hormone	FSHR	2p16.3		yes	yes	yes	yes			yes	yes	N/A	Tissue enhanced	Detected in some	gallbladder,ovary,testis	
385	NX_Q9JNA3	ENSG00000118017	Alpha-1,4-N-acetylglucosam	AAGNT	3q22.3								yes		Enhanced	Group enriched	Detected in some	gallbladder,pancreas,stomach 1	
386	NX_Q6LXT8	ENSG00000196711	ALK and LTK ligand 1	ALKAL1	8q11.23					yes			yes		Uncertain	Tissue enhanced	Detected in many	gallbladder,prostate,urinary bladder	
387	NX_Q5Z337	ENSG00000152061	Rab GTPase-activating prot	RABGAP1L	1q25.1										Uncertain	Tissue enhanced	Detected in all	heart muscle	
388	NX_Q75838	ENSG00000136425	Calcium and integrin-binding	CIB2	15q25.1		yes		yes				yes	yes	Approved	Tissue enhanced	Detected in many	heart muscle,intestine	
389	NX_P51671	ENSG00000172156	Eotaxin	CCL11	17q12			yes		yes			yes		N/A	Tissue enhanced	Detected in many	heart muscle,intestine,lymphoid tissue	
390	NX_Q99748	ENSG00000171119	Neurturin	NRTN	19p13.3		yes	yes	yes				yes		N/A	Tissue enhanced	Detected in many	heart muscle,pancreas	
391	NX_Q95843	ENSG00000138472	Guanylyl cyclase-activating	GUCA1C	3q13.13			yes				yes	yes		Uncertain	Group enriched	Detected in some	heart muscle,pancreas,retina	
392	NX_Q04844	ENSG00000108556	Acetylcholine receptor subu	CHRNE	17p13.2		yes	yes	yes				yes	yes	N/A	Group enriched	Detected in some	heart muscle,pituitary gland	
393	NX_P08588	ENSG00000043591	Beta-1 adrenergic receptor	ADRB1	10q25.3			yes	yes	yes			yes	yes	Enhanced	Tissue enhanced	Detected in many	heart muscle,placenta	
394	NX_P39877	ENSG00000127472	Calcium-dependent phosph	PLA2G5	1p36.13		yes	yes			yes	yes	yes		Approved	Tissue enhanced	Detected in many	heart muscle,retina	
395	NX_Q14602	ENSG00000198692	Eukaryotic translation initi	EIF1AY	Yq11.223					yes		yes	yes		Uncertain	Tissue enhanced	Detected in many	heart muscle,skeletal muscle	
396	NX_Q5VVY1	ENSG00000203740	Alpha N-terminal protein me	METTL1B	1q24.2			yes					yes		Uncertain	Group enriched	Detected in some	heart muscle,skeletal muscle	
397	NX_Q8N112	ENSG00000179564	Leucine-rich single-pass me	LSMEM2	3p21.31					yes					N/A	Group enriched	Detected in some	heart muscle,skeletal muscle,tongue	
398	NX_C9JR72	ENSG00000234438	Kelch repeat and BTB dom	KBTBD13	15q22.31		yes	yes	yes			yes	yes		Uncertain	Tissue enhanced	Detected in some	heart muscle,skeletal muscle,tongue	
399	NX_Q95561	ENSG00000180999	Uncharacterized protein C1	C1orf105	1q24.3					yes					N/A	Tissue enhanced	Detected in some	heart muscle,testis	
400	NX_Q9Y5Y9	ENSG00000185313	Sodium channel protein typ	SCN10A	3p22.2		yes			yes			yes	yes	N/A	Group enriched	Detected in some	heart muscle,testis	
401	NX_P41238	ENSG00000111701	C->U-editing enzyme APOB	APOBEC1	12p13.31			yes					yes		N/A	Tissue enriched	Detected in some	intestine	
402	NX_Q9Y2M2	ENSG00000125046	Protein SSUH2 homolog	SSUH2	3p25.3		yes					yes	yes		Approved	Tissue enriched	Detected in some	intestine	
403	NX_Q12908	ENSG00000125255	Ileal sodium/bile acid cotran	SLC10A2	13q33.1		yes	yes			yes		yes	yes	Approved	Tissue enriched	Detected in some	intestine	
404	NX_Q96PS8	ENSG00000143595	Aquaporin-10	AQP10	1q21.3			yes	yes	yes	yes	yes	yes	yes	Enhanced	Tissue enriched	Detected in some	intestine	
405	NX_Q8NFR9	ENSG00000163701	Interleukin-17 receptor E	IL17RE	3p25.3			yes	yes	yes			yes		Uncertain	Tissue enhanced	Detected in many	intestine	
406	NX_P36544	ENSG00000175344	Neuronal acetylcholine rece	CHRNA7	15q13.3			yes	yes	yes			yes	yes	Enhanced	Tissue enhanced	Detected in many	intestine	
407	NX_A5X5Y0	ENSG00000186038	5-hydroxytryptamine recept	HTR3E	3q27.1			yes	yes	yes			yes		Enhanced	Tissue enriched	Detected in some	intestine	
408	NX_P51582	ENSG00000186912	P2Y purinoceptor 4	P2RY4	Xq13.1			yes				yes	yes	yes	Uncertain	Tissue enriched	Detected in some	intestine	
409	NX_Q401N2																		

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
427	NX_Q43316	ENSG00000106331	Paired box protein Pax-4	PAX4	7q32.1			yes						yes	yes	N/A	Group enriched	Detected in some	intestine,testis
428	NX_A5D8T8	ENSG00000157322	C-type lectin domain family 14 member C	CLEC18A	16q22.1						yes	yes		yes	yes	Uncertain	Tissue enriched	Detected in some	kidney
429	NX_Q8WUJ8	ENSG00000164325	Transmembrane protein 174	TMEM174	5q13.2						yes					Enhanced	Tissue enriched	Detected in single	kidney
430	NX_Q6UJWW9	ENSG00000198398	Transmembrane protein 207	TMEM207	3q28				yes	yes			yes		yes	Uncertain	Tissue enriched	Detected in single	kidney
431	NX_Q95045	ENSG00000007001	Uridine phosphorylase 2	UPP2	2q24.1				yes		yes	yes		yes	yes	N/A	Group enriched	Detected in many	kidney,liver
432	NX_Q14916	ENSG00000124568	Sodium-dependent phosphate symporter	SLC17A1	6p22.2									yes	yes	N/A	Group enriched	Detected in some	kidney,liver
433	NX_Q9UJW3	ENSG00000142182	DNA (cytosine-5)-methyltransferase 3A	DNMT3L	21q22.3			yes	yes	yes	yes		yes	yes	yes	Approved	Group enriched	Detected in some	kidney,liver
434	NX_Q0D2K3	ENSG00000147223	Protein ripply1	RIPPLY1	Xq22.3						yes					Uncertain	Tissue enhanced	Detected in some	kidney,liver
435	NX_Q95500	ENSG00000159261	Claudin-14	CLDN14	21q22.13			yes								N/A	Group enriched	Detected in some	kidney,liver
436	NX_P13385	ENSG00000241186	Teratocarcinoma-derived growth factor 1	TDGF1	3p21.31	yes			yes	yes	yes		yes	yes	yes	N/A	Tissue enhanced	Detected in some	kidney,lymphoid tissue,ovary
437	NX_Q96Q96	ENSG00000147613	Serine/threonine-protein kinase	PSKH2	8q21.3						yes					Uncertain	Group enriched	Detected in some	kidney,placenta,testis
438	NX_Q14994	ENSG00000143257	Nuclear receptor subfamily 1 group 1 member 3	NR1I3	1q23.3			yes				yes				N/A	Tissue enriched	Detected in some	liver
439	NX_Q8N681	ENSG00000180089	Lysoplasmalogenase	TMEM86B	19q13.42						yes					Uncertain	Tissue enhanced	Detected in all	liver
440	NX_Q8NER1	ENSG00000196689	Transient receptor potential channel 1	TRPV1	17p13.2				yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in many	liver
441	NX_Q8HX05	ENSG00000241399	CD302 antigen	CD302	2q24.2			yes				yes	yes	yes	yes	N/A	Tissue enhanced	Detected in all	liver
442	NX_Q72410	ENSG00000178297	Transmembrane protease serpin 9	TMPSR9	19p13.3							yes				Uncertain	Tissue enhanced	Detected in some	liver,lymphoid tissue,testis
443	NX_P55318	ENSG00000170608	Hepatocyte nuclear factor 3A	FOXA3	19q13.32			yes	yes					yes		Uncertain	Tissue enhanced	Detected in some	liver,pancreas
444	NX_Q86UJ9	ENSG00000176358	Tachykinin-4	TAC4	17q21.33			yes						yes		N/A	Tissue enhanced	Detected in some	liver,pituitary gland
445	NX_Q6ZQW0	ENSG00000188676	Indoleamine 2,3-dioxygenase 1	IDO2	8p11.21		yes							yes		N/A	Group enriched	Detected in some	liver,placenta
446	NX_Q6L8G9	ENSG00000205864	Keratin-associated protein 5	KRTAP5-6	11p15.5				yes	yes	yes			yes	yes	N/A	Group enriched	Detected in some	liver,placenta,skin 1
447	NX_P30301	ENSG00000135517	Lens fiber major intrinsic protein	MIP	12q13.3			yes		yes		yes		yes	yes	Supported	Tissue enhanced	Detected in some	liver,retina,testis
448	NX_Q5MJ68	ENSG00000204710	Speedy protein C	SPDYC	11q13.1				yes	yes	yes			yes		Uncertain	Group enriched	Detected in some	liver,testis
449	NX_Q8WXA8	ENSG00000178084	5-hydroxytryptamine receptor 2A	HTR2C	3q27.1				yes	yes	yes			yes		N/A	Tissue enriched	Detected in some	lung
450	NX_Q6ZNE9	ENSG00000188282	RUN and FYVE domain-containing protein 1	RUFY4	2q35				yes	yes	yes			yes		Uncertain	Tissue enhanced	Detected in some	lung,lymphoid tissue
451	NX_P43628	ENSG00000243772	Killer cell immunoglobulin-like receptor 1	KIR2DL3	19q13.42			yes	yes	yes	yes			yes		N/A	Tissue enhanced	Detected in some	lung,lymphoid tissue
452	NX_P24903	ENSG00000197446	Cytochrome P450 2F1	CYP2F1	19q13.2									yes		N/A	Tissue enhanced	Detected in some	lung,lymphoid tissue,pituitary gland,testis
453	NX_P0C7M3	ENSG00000229415	Surfactant-associated protein 2	SFTA3	14q13.3								yes	yes		N/A	Group enriched	Detected in some	lung,thyroid gland
454	NX_P06899	ENSG00000124635	Histone H2B type 1-J	HIST1H2BJ	6p22.1	yes		yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
455	NX_Q13349	ENSG00000156886	Integrin alpha-D	ITGAD	16p11.2			yes		yes				yes		Uncertain	Tissue enriched	Detected in some	lymphoid tissue
456	NX_Q86WD7	ENSG00000170054	Serpin A9	SERPINA9	14q32.13									yes		N/A	Tissue enriched	Detected in some	lymphoid tissue
457	NX_P00594	ENSG00000173578	Chemokine XC receptor 1	XCR1	3p21.31											Uncertain	Tissue enhanced	Detected in many	lymphoid tissue
458	NX_P51686	ENSG00000173585	C-C chemokine receptor type 4	CCR9	3p21.31			yes						yes		Uncertain	Tissue enriched	Detected in some	lymphoid tissue
459	NX_P55895	ENSG00000175097	V(D)J recombination-activating protein 2	RAG2	11p12			yes								N/A	Tissue enriched	Detected in some	lymphoid tissue
460	NX_Q8N144	ENSG00000183153	Gap junction delta-3 protein	GJD3	17q21.2				yes	yes	yes		yes			N/A	Tissue enhanced	Detected in many	lymphoid tissue
461	NX_Q16778	ENSG00000184678	Histone H2B type 2-E	HIST2H2BE	1q21.2	yes		yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enhanced	Detected in all	lymphoid tissue
462	NX_Q5TA77	ENSG00000187238	Late cornified envelope protein 3	LCE3B	1q21.3					yes				yes		N/A	Tissue enriched	Detected in single	lymphoid tissue
463	NX_P0C058	ENSG00000196747	Histone H2A type 1	H2AC11, H2AC11	6p22.1			yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
464	NX_P20671	ENSG00000196866	Histone H2A type 1-D	HIST1H2AD	6p22.2			yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in all	lymphoid tissue
465	NX_Q60814	ENSG00000197903	Histone H2B type 1-K	HIST1H2BK	6p22.1	yes		yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
466	NX_A5LHX3	ENSG00000222028	Proteasome subunit beta type 1	PSMB11	14q11.2				yes	yes			yes			Enhanced	Tissue enriched	Detected in some	lymphoid tissue
467	NX_Q85249	ENSG00000250254	Securin-2	PTTG2	4p14											Uncertain	Tissue enhanced	Detected in many	lymphoid tissue
468	NX_P04001	ENSG00000268221	Medium-wave-sensitive ops	OPN1MW	Xq28			yes	yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in single	lymphoid tissue
469	NX_P23527	ENSG00000274641	Histone H2B type 1-O	HIST1H2BO	6p22.1	yes			yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
470	NX_Q96KJ5	ENSG00000274997	Histone H2A type 1-H	HIST1H2AH	6p22.1				yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
471	NX_Q93079	ENSG00000275713	Histone H2B type 1-H	HIST1H2BH	6p22.2	yes			yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many	lymphoid tissue
472	NX_P33778	ENSG00000276410	Histone H2B type 1-B	HIST1H2BB	6p22.2			yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in some	lymphoid tissue
473	NX_P04908	ENSG00000277075	Histone H2A type 1-B/E	HIST1H2AB, HIST1H2AE	6p22.2			yes	yes	yes	yes	yes	yes	yes	yes	Supported	Tissue enriched	Detected in many,Detected	lymphoid tissue
474	NX_Q2WEN9	ENSG00000213892	Carcinoembryonic antigen-related cell adhesion molecule 1	CEACAM16	19q13.31			yes	yes	yes	yes	yes	yes	yes	yes	Uncertain	Tissue enhanced	Detected in some	lymphoid tissue,pancreas
475	NX_Q9UJ33	ENSG00000168356	Sodium channel protein type beta subunit 11A	SCN11A	3p22.2			yes						yes	yes	Uncertain	Tissue enhanced	Detected in some	lymphoid tissue,placenta
476	NX_Q5T215	ENSG00000173626	Trafficking protein particle complex 3	TRAPPC3L	6q22.1				yes	yes						N/A	Tissue enhanced	Detected in many	lymphoid tissue,placenta
477	NX_Q6UJ39	ENSG00000187689	Amelotin	AMTN	4q13.3	yes					yes	yes	yes	yes	yes	Uncertain	Group enriched	Detected in some	lymphoid tissue,salivary gland,stomach 1
478	NX_Q9Y5X5	ENSG00000056291	Neuropeptide FF receptor 2	NPF2R2	4q13.3									yes		N/A	Tissue enhanced	Detected in many	lymphoid tissue,seminal vesicle
479	NX_Q9NZK7	ENSG00000188784	Group IIE secretory phospholipase A2	PLA2G2E	1p36.13									yes		Uncertain	Group enriched	Detected in some	lymphoid tissue,skin 1
480	NX_B7U540	ENSG00000260458	Inward rectifier potassium channel 18	KCNJ18	17p11.2			yes				yes		yes	yes	Uncertain	Group enriched	Detected in some	lymphoid tissue,skin 1
481	NX_Q95932	ENSG00000166948	Protein-glutamine gamma-glutamyl cyclotransferase 2	TGM6	20p13			yes						yes	yes	Uncertain	Group enriched	Detected in some	lymphoid tissue,skin 1,tongue
482	NX_Q9BZM2	ENSG00000158786	Group IIF secretory phospholipase A2	PLA2G2F	1p36.12									yes		N/A	Tissue enhanced	Detected in some	lymphoid tissue,skin 1,urinary bladder
483	NX_Q72443	ENSG00000277481	Polycystic kidney disease protein 1	PKD1L3	16q22.2				yes	yes				yes		N/A	Tissue enhanced	Detected in some	lymphoid tissue,smooth muscle,testis
484	NX_Q60882	ENSG00000137674	Matrix metalloproteinase-20	MMP20	11q22.2			yes						yes		N/A	Tissue enhanced	Detected in some	lymphoid tissue,testis
485	NX_Q95932	ENSG00000284622	Small cysteine and glycine rich domain-containing protein 10	SCYGR10	2q36.3											N/A	Group enriched	Detected in some	lymphoid tissue,testis
486	NX_Q515A8	ENSG00000244057	Late cornified envelope protein 3	LCE3C	1q21.3					yes				yes		N/A	Group enriched	Detected in some	lymphoid tissue,tongue
487	NX_Q9NPH9	ENSG00000111536	Interleukin-26	IL26	12q15					yes			yes	yes	yes	N/A	Tissue enhanced	Detected in some	lymphoid tissue,tongue,urinary bladder
488	NX_Q8IYD2	ENSG00000162873	Kelch domain-containing protein 8A	KLHDC8A	1q32.1											N/A	Tissue enriched	Detected in many	ovary
489	NX_Q8IZY5	ENSG00000259571	BH3-like motif-containing protein 1	BLID	11q24.1									yes	yes	N/A	Tissue enhanced	Detected in some	ovary
490	NX_Q9Y258	ENSG00000006606	C-C motif chemokine 26	CCL26	7q11.23	yes		yes	yes	yes	yes	yes	yes	yes	yes	N/A	Tissue enhanced	Detected in many	ovary,retina
491	NX_P58294	ENSG00000143125	Prokineticin-1	PROK1	1p13.3	yes							yes	yes	yes	N/A	Group enriched	Detected in many	

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
512	NX_Q02643	ENSG00000106128	Growth hormone-releasing	GHRHR	7p14.3			yes	yes					yes		N/A	Tissue enriched	Detected in some	pituitary gland
513	NX_P30968	ENSG00000109163	Gonadotropin-releasing hori	GNRHR	4q13.2			yes						yes	yes	Enhanced	Tissue enriched	Detected in some	pituitary gland
514	NX_Q9HD90	ENSG00000123307	Neurogenic differentiation fa	NEUROD4	12q13.2						yes					Enhanced	Tissue enriched	Detected in some	pituitary gland
515	NX_Q60806	ENSG00000143178	T-box transcription factor TB	TBX19	1q24.2			yes						yes		Enhanced	Tissue enriched	Detected in many	pituitary gland
516	NX_Q8NDQ6	ENSG00000171817	Zinc finger protein 540	ZNF540	19q13.12					yes				yes		Supported	Tissue enhanced	Detected in all	pituitary gland
517	NX_Q75360	ENSG00000175325	Homeobox protein prophet	PROP1	5q35.3								yes	yes		Enhanced	Tissue enriched	Detected in single	pituitary gland
518	NX_P0DN86	ENSG00000104827,ENSG	Choriogonadotropin subunit	CGB3, CGB5, C	19q13.33	yes			yes	yes		yes		yes		Enhanced,Supported	Group enriched,Tissue enha	Detected in some	pituitary gland,placenta
519	NX_Q95257	ENSG00000130222	Growth arrest and DNA dan	GADD45G	9q22.2				yes	yes				yes	yes	Approved	Tissue enhanced	Detected in all	placenta
520	NX_P41595	ENSG00000135914	5-hydroxytryptamine recept	HTR2B	2q37.1				yes	yes				yes	yes	Enhanced	Tissue enhanced	Detected in many	placenta
521	NX_P0DML2	ENSG00000136488	Chorionic somatomammotr	CSH1	17q23.3	yes			yes	yes		yes		yes		Enhanced	Tissue enriched	Detected in some	placenta
522	NX_Q96P69	ENSG00000155269	G-protein coupled receptor	GPR78	4p16.1								yes	yes		Uncertain	Tissue enriched	Detected in some	placenta
523	NX_P46091	ENSG00000183671	G-protein coupled receptor	GPR1	2q33.3								yes			Uncertain	Tissue enhanced	Detected in many	placenta
524	NX_P0DML3	ENSG00000213218	Chorionic somatomammotr	CSH2	17q23.3	yes			yes	yes		yes		yes		Supported	Tissue enriched	Detected in some	placenta
525	NX_A05309	ENSG00000284667	Small cysteine and glycine r	SCYGR5	2q36.3											N/A	Tissue enriched	Detected in single	placenta
526	NX_A05289	ENSG00000284704	Small cysteine and glycine r	SCYGR3	2q36.3											N/A	Tissue enriched	Detected in single	placenta
527	NX_P0DMC3	ENSG00000248329	Apelin receptor early endog	APELA	4q32.3					yes		yes	yes			N/A	Tissue enhanced	Detected in some	placenta,prostate
528	NX_Q2M3T9	ENSG00000106302	Hyaluronidase-4	HYAL4	7q31.32							yes		yes		Uncertain	Tissue enhanced	Detected in some	placenta,skeletal muscle
529	NX_Q92988	ENSG00000108813	Homeobox protein DLX-4	DLX4	17q21.33						yes			yes		Uncertain	Tissue enhanced	Detected in some	placenta,skin 1
530	NX_P0C7Q2	ENSG00000254636	Age-related maculopathy su	ARMS2	10q26.13							yes	yes	yes		Enhanced	Group enriched	Detected in some	placenta,testis
531	NX_Q9Y5K2	ENSG00000167749	Kallikrein-4	KLK4	19q13.41	yes			yes				yes	yes		Enhanced	Tissue enriched	Detected in some	prostate
532	NX_Q6S545	ENSG00000198062	POTE ankyrin domain fami	POTEH	22q11.1						yes					N/A	Group enriched	Detected in some	prostate,testis
533	NX_P04000	ENSG00000102076	Long-wave-sensitive opsin	OPN1LW	Xq28			yes	yes			yes	yes	yes		N/A	Tissue enriched	Detected in some	retina
534	NX_P54845	ENSG00000129535	Neural retina-specific leucin	NRL	14q11.2			yes		yes	yes	yes	yes	yes	yes	Enhanced	Tissue enriched	Detected in many	retina
535	NX_Q13956	ENSG00000139053	Retinal cone rhodopsin-sen	PDE6H	12p12.3					yes	yes		yes			Supported	Tissue enriched	Detected in some	retina
536	NX_Q95076	ENSG00000156150	Homeobox protein aristaless	ALX3	1p13.3		yes									N/A	Tissue enhanced	Detected in many	retina
537	NX_Q00254	ENSG00000164220	Proteinase-activated recept	F2RL2	5q13.3				yes	yes		yes	yes	yes		N/A	Tissue enhanced	Detected in many	retina
538	NX_Q9NPB3	ENSG00000167791	Calcium-binding protein 2	CABP2	11q13.2		yes					yes				N/A	Tissue enriched	Detected in some	retina
539	NX_Q8TDN1	ENSG00000168418	Potassium voltage-gated ch	KCNQ4	16q24.1				yes				yes			N/A	Tissue enhanced	Detected in some	retina
540	NX_Q9NQW8	ENSG00000170289	Cyclic nucleotide-gated cati	CNGB3	8q21.3			yes	yes				yes			Enhanced	Tissue enriched	Detected in some	retina
541	NX_A6NGG8	ENSG00000179270	Photoreceptor cilium actin r	PCARE	2p23.2			yes					yes			N/A	Tissue enriched	Detected in some	retina
542	NX_Q5T1H1	ENSG00000188107	Protein eyes shut homolog	EYS	6q12			yes					yes			N/A	Tissue enriched	Detected in some	retina
543	NX_Q00L71	ENSG00000214140	Photoreceptor disk compon	PRCD	17q25.1			yes				yes		yes		N/A	Tissue enriched	Detected in many	retina
544	NX_Q5T197	ENSG00000163357	E3 ubiquitin-protein ligase	DCST1	1q21.3				yes				yes			Uncertain	Group enriched	Detected in some	retina,skin 1,testis
545	NX_Q16613	ENSG00000129673	Serotonin N-acetyltransfera	AANAT	17q25.1		yes			yes		yes	yes	yes		N/A	Group enriched	Detected in some	retina,testis
546	NX_P43026	ENSG00000125965	Growth/differentiation factor	GDF5	20q11.22		yes	yes	yes	yes		yes	yes	yes		Uncertain	Tissue enhanced	Detected in some	salivary gland
547	NX_Q9NRQ5	ENSG00000166002	Single-pass membrane and	SMCO4	11q21					yes						Uncertain	Tissue enhanced	Detected in all	salivary gland
548	NX_Q8TDE3	ENSG00000173431	Ribonuclease 8	RNASE8	14q11.2									yes		N/A	Tissue enriched	Detected in single	salivary gland
549	NX_A8MXD5	ENSG00000215203	Glutaredoxin domain-contain	GRXCR1	4p13		yes									Uncertain	Tissue enriched	Detected in some	seminal vesicle
550	NX_Q95868	ENSG00000244355	Lymphocyte antigen 6 comp	LY6G6D	6p21.33				yes			yes				Uncertain	Tissue enhanced	Detected in some	seminal vesicle,skin 1
551	NX_Q15146	ENSG00000303034	Muscle, skeletal receptor ty	MUSK	9q31.3		yes			yes		yes	yes	yes		N/A	Tissue enriched	Detected in many	skeletal muscle
552	NX_Q15547	ENSG00000099957	P2X purinoceptor 6	P2RX6	22q11.21				yes			yes				Approved	Tissue enhanced	Detected in some	skeletal muscle
553	NX_P55075	ENSG00000107831	Fibroblast growth factor 8	FGF8	10q24.32		yes	yes	yes				yes			N/A	Tissue enriched	Detected in some	skeletal muscle
554	NX_P23409	ENSG00000111046	Myogenic factor 6	MYF6	12q21.31		yes						yes			N/A	Tissue enriched	Detected in some	skeletal muscle
555	NX_Q11203	ENSG00000126091	CMP-N-acetylneuraminat	ST3GAL3	1p34.1		yes					yes		yes		Uncertain	Tissue enhanced	Detected in all	skeletal muscle
556	NX_P15172	ENSG00000129152	Myoblast determination prot	MYOD1	11p15.1				yes	yes		yes				N/A	Tissue enriched	Detected in some	skeletal muscle
557	NX_Q9GZ76	ENSG00000129749	Neuronal acetylcholine rece	CHRNA10	11p15.4				yes				yes	yes		N/A	Tissue enriched	Detected in some	skeletal muscle
558	NX_Q07001	ENSG00000135902	Acetylcholine receptor subu	CHRND	2q37.1			yes	yes				yes	yes		N/A	Tissue enriched	Detected in some	skeletal muscle
559	NX_P02708	ENSG00000138435	Acetylcholine receptor subu	CHRNA1	2q31.1	yes		yes	yes			yes	yes	yes		Enhanced	Tissue enriched	Detected in some	skeletal muscle
560	NX_Q6ZQY3	ENSG00000144644	Acidic amino acid decarbox	GADL1	3p23								yes			Uncertain	Tissue enriched	Detected in many	skeletal muscle
561	NX_Q96D03	ENSG00000145358	DNA damage-inducible tran	DDIT4L	4q24								yes			N/A	Tissue enriched	Detected in many	skeletal muscle
562	NX_Q86SG2	ENSG00000163126	Ankyrin repeat domain-cont	ANKRD23	2q11.2				yes				yes			Approved	Tissue enriched	Detected in some	skeletal muscle
563	NX_P55089	ENSG00000163794	Urocortin	UCN	2p23.3			yes	yes			yes	yes	yes		Approved	Tissue enhanced	Detected in many	skeletal muscle
564	NX_P62952	ENSG00000166619	Bladder cancer-associated	BLCAP	20q11.23					yes			yes			N/A	Tissue enhanced	Detected in all	skeletal muscle
565	NX_Q00631	ENSG00000170290	Sarcolipin	SLN	11q22.3			yes					yes			N/A	Tissue enriched	Detected in some	skeletal muscle
566	NX_Q9BQ31	ENSG00000170745	Potassium voltage-gated ch	KCNS3	2p24.2				yes				yes	yes		Approved	Tissue enhanced	Detected in many	skeletal muscle
567	NX_P55916	ENSG00000175564	Mitochondrial uncoupling pr	UCP3	11q13.4		yes						yes			Enhanced	Tissue enriched	Detected in some	skeletal muscle
568	NX_Q2WJG6	ENSG00000175946	Kelch-like protein 38	KLHL38	8q24.13					yes						Uncertain	Tissue enriched	Detected in some	skeletal muscle
569	NX_Q6SJ96	ENSG00000182521	TATA box-binding protein-lik	TBPL2	14q22.3							yes				Uncertain	Tissue enhanced	Detected in some	skeletal muscle
570	NX_Q9Y3D7	ENSG00000217930	Mitochondrial import inner m	PAM16	16p13.3		yes		yes	yes			yes	yes		N/A	Tissue enhanced	Detected in all	skeletal muscle
571	NX_P35125	ENSG00000129204	Ubiquitin carboxyl-terminal	USP6	17p13.2				yes	yes		yes	yes	yes		N/A	Group enriched	Detected in some	skeletal muscle,testis
572	NX_Q5QG77	ENSG00000198471	Receptor-transporting prote	RTP2	3q27.3					yes						N/A	Group enriched	Detected in some	skeletal muscle,testis
573	NX_Q6B811	ENSG00000079393	Dual specificity protein phos	DUSP13	10q22.2				yes				yes	yes		N/A	Tissue enhanced	Detected in some	skeletal muscle,testis,tongue
574	NX_Q75364	ENSG00000107859	Pituitary homeobox 3	PITX3	10q24.32		yes									N/A	Tissue enhanced	Detected in some	skeletal muscle,tongue
575	NX_P13349	ENSG00000111049	Myogenic factor 5	MYF5	12q21.31		yes			yes			yes	yes		N/A	Group enriched	Detected in some	skeletal muscle,tongue
576	NX_P10767	ENSG00000111241	Fibroblast growth factor 6	FGF6	12p13.32					yes			yes			N/A	Group enriched	Detected in some	skeletal muscle,tongue
577	NX_Q86YV6	ENSG00000145949	Myosin light chain kinase fa	MYLK4	6p25.2			yes								Uncertain	Group enriched	Detected in some	skeletal muscle,tongue
578	NX_Q96NS5	ENSG00000161664	Ankyrin repeat and SOCS b	ASB16	17q21.31						yes					Approved	Tissue enhanced	Detected in many	skeletal muscle,tongue
579	NX_Q13702	ENSG00000165917	43 kDa receptor-associated	RAPSN	11p11.2														

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
597	NX_Q5TA81	ENSG00000187180	Late cornified envelope prot	LCE2C	1q21.3									yes		N/A	Tissue enriched	Detected in some	skin 1
598	NX_P60410	ENSG00000187766	Keratin-associated protein 1	KRTAP10-8	21q22.3					yes				yes		N/A	Tissue enriched	Detected in single	skin 1
599	NX_Q6UVW9	ENSG00000188393	C-type lectin domain family	CLEC2A	12p13.31				yes	yes						Approved	Tissue enriched	Detected in some	skin 1
600	NX_Q07627	ENSG00000188581	Keratin-associated protein 1	KRTAP1-1	17q21.2									yes		N/A	Tissue enriched	Detected in some	skin 1
601	NX_Q6LXB1	ENSG00000188624	Insulin growth factor-like fan	IGFL3	19q13.32	yes								yes		Uncertain	Tissue enriched	Detected in some	skin 1
602	NX_Q6L8H2	ENSG00000196224	Keratin-associated protein 5	KRTAP5-3	11p15.5					yes				yes		N/A	Tissue enriched	Detected in some	skin 1
603	NX_Q517P3	ENSG00000196734	Late cornified envelope prot	LCE1B	1q21.3									yes		N/A	Tissue enriched	Detected in some	skin 1
604	NX_Q6L8G4	ENSG00000204571	Keratin-associated protein 5	KRTAP5-11	11q13.4					yes				yes		N/A	Tissue enriched	Detected in some	skin 1
605	NX_P0C7H8	ENSG00000212724	Keratin-associated protein 2	KRTAP2-3	17q21.2									yes		Supported	Tissue enriched	Detected in some	skin 1
606	NX_Q9BQ66	ENSG00000213416	Keratin-associated protein 4	KRTAP4-12	17q21.2					yes				yes		N/A	Tissue enriched	Detected in some	skin 1
607	NX_Q9BYR9	ENSG00000213417	Keratin-associated protein 2	KRTAP2-4	17q21.2									yes		Supported	Tissue enriched	Detected in single	skin 1
608	NX_P60372	ENSG00000215454	Keratin-associated protein 1	KRTAP10-4	21q22.3					yes				yes		N/A	Tissue enriched	Detected in some	skin 1
609	NX_P60411	ENSG00000221837	Keratin-associated protein 1	KRTAP10-9	21q22.3					yes				yes		N/A	Tissue enriched	Detected in single	skin 1
610	NX_P34130	ENSG00000225950	Neurotrophin-4	NTF4	19q13.33				yes					yes		N/A	Tissue enhanced	Detected in many	skin 1
611	NX_B2RXH2	ENSG00000235268	Lysine-specific demethylase	KDM4E	11q21				yes					yes		Uncertain	Tissue enhanced	Detected in some	skin 1
612	NX_P60370	ENSG00000241123	Keratin-associated protein 1	KRTAP10-5	21q22.3					yes				yes		N/A	Tissue enriched	Detected in single	skin 1
613	NX_Q3SYF9	ENSG00000244362	Keratin-associated protein 1	KRTAP19-7	21q22.11									yes		N/A	Tissue enriched	Detected in single	skin 1
614	NX_Q3SYF9	ENSG00000284635	Small cysteine and glycine r	SCYGR8	2q36.3											N/A	Tissue enriched	Detected in single	skin 1
615	NX_Q14627	ENSG00000131264	Homeobox protein CDX-4	CDX4	Xq13.2											Uncertain	Group enriched	Detected in some	skin 1, testis
616	NX_Q9BZG2	ENSG00000142513	Testicular acid phosphatase	ACP4	19q13.33			yes						yes		N/A	Tissue enhanced	Detected in some	skin 1, testis
617	NX_P60329	ENSG00000212933	Keratin-associated protein 1	KRTAP12-4	21q22.3					yes				yes		N/A	Group enriched	Detected in some	skin 1, testis
618	NX_Q96RP3	ENSG00000145040	Urocortin-2	UCN2	3p21.31				yes	yes				yes		Uncertain	Tissue enhanced	Detected in some	skin 1, vagina
619	NX_Q96LB1	ENSG00000183695	Mas-related G-protein coupl	MRGPRX2	11p15.1								yes	yes		Approved	Tissue enhanced	Detected in many	smooth muscle
620	NX_Q86UV6	ENSG00000155428	Tripartite motif-containing pr	TRIM74	7q11.23									yes		N/A	Tissue enhanced	Detected in many	stomach 1
621	NX_A6NEM1	ENSG00000197978	Golgin subfamily A member	GOLGA6L9	15q25.2									yes		N/A	Tissue enhanced	Detected in some	stomach 1
622	NX_P0DJJ7	ENSG00000229183	Pepsin A-4	PGA4	11q12.2	yes			yes					yes		Supported	Tissue enriched	Detected in some	stomach 1
623	NX_P0DJJ8	ENSG00000229859	Pepsin A-3	PGA3	11q12.2	yes								yes		Enhanced	Tissue enriched	Detected in some	stomach 1
624	NX_Q9NR90	ENSG00000187191	Deleted in azoospermia prof	DAZ3	Yq11.23				yes					yes		Approved	Tissue enhanced	Detected in some	stomach 1, testis
625	NX_Q9NQZ3	ENSG00000188120	Deleted in azoospermia prof	DAZ1	Yq11.223				yes	yes			yes	yes		Supported	Group enriched	Detected in some	stomach 1, testis
626	NX_Q86SG3	ENSG00000205916	Deleted in azoospermia prof	DAZ4	Yq11.23				yes				yes	yes		Approved	Group enriched	Detected in some	stomach 1, testis
627	NX_Q13117	ENSG00000205944	Deleted in azoospermia prof	DAZ2	Yq11.223				yes					yes		Approved	Group enriched	Detected in some	stomach 1, testis
628	NX_Q5QJU3	ENSG00000177076	Alkaline ceramidase 2	ACER2	9p22.1			yes					yes	yes		N/A	Tissue enhanced	Detected in many	stomach 1, urinary bladder, vagina
629	NX_Q9NR20	ENSG00000102199	Dual specificity tyrosine-pho	DYRK4	12p13.32					yes		yes		yes		Enhanced	Tissue enriched	Detected in all	testis
630	NX_Q15457	ENSG00000057468	MutS protein homolog 4	MSH4	1p31.1				yes	yes				yes		N/A	Tissue enriched	Detected in some	testis
631	NX_Q9H0A6	ENSG00000105982	RING finger protein 32	RNF32	7q36.3					yes				yes		Enhanced	Tissue enriched	Detected in many	testis
632	NX_P09430	ENSG00000118245	Spermatid nuclear transition	TNP1	2q35							yes				Enhanced	Tissue enriched	Detected in some	testis
633	NX_P48165	ENSG00000121634	Gap junction alpha-8 protei	GJA8	1q21.2			yes						yes		Enhanced	Tissue enriched	Detected in single	testis
634	NX_Q8LZX4	ENSG00000122728	Transcription initiation fact	TAF1L	9p21.1				yes	yes				yes		Uncertain	Tissue enriched	Detected in some	testis
635	NX_Q6NSX1	ENSG00000123171	Coiled-coil domain-containi	CCDC70	13q14.3					yes						N/A	Tissue enriched	Detected in single	testis
636	NX_Q722G1	ENSG00000123569	Histone H2B type W-T	H2BFWT	Xq22.2				yes			yes	yes			Uncertain	Tissue enhanced	Detected in single	testis
637	NX_Q8N693	ENSG00000123576	Homeobox protein ESX1	ESX1	Xq22.2							yes	yes			Enhanced	Tissue enriched	Detected in single	testis
638	NX_Q6LJ36	ENSG00000124818	Opsin-5	OPN5	6p12.3							yes				Supported	Tissue enriched	Detected in single	testis
639	NX_Q9NQW5	ENSG00000126856	Probable histone-lysine N-m	PRDM7	16q24.3									yes		Approved	Tissue enriched	Detected in single	testis
640	NX_Q75679	ENSG00000128276	Ret finger protein-like 3	RFPL3	22q12.3								yes			N/A	Tissue enriched	Detected in some	testis
641	NX_Q9BZE7	ENSG00000128346	UPF0193 protein EVG1	C22orf23	22q13.1									yes		N/A	Tissue enriched	Detected in many	testis
642	NX_Q6XPS3	ENSG00000132958	Phosphatidylinositol 3,4,5-tr	PTPE2	13q12.11								yes	yes		N/A	Tissue enriched	Detected in some	testis
643	NX_Q9BXU7	ENSG00000134588	Ubiquitin carboxyl-terminal	USP26	Xq26.2				yes				yes	yes		N/A	Tissue enriched	Detected in single	testis
644	NX_Q9BVB6	ENSG00000139656	Small integral membrane pr	SMIM2	13q14.11								yes			Enhanced	Tissue enriched	Detected in some	testis
645	NX_Q96SE0	ENSG00000143994	Protein ABHD1	ABHD1	2p23.3											Uncertain	Tissue enriched	Detected in some	testis
646	NX_Q9BR10	ENSG00000149634	Spermatogenesis-associate	SPATA25	20q13.12								yes	yes		N/A	Tissue enhanced	Detected in many	testis
647	NX_Q8TAL5	ENSG00000157653	Uncharacterized protein C9	C9orf43	9q32								yes			N/A	Tissue enriched	Detected in many	testis
648	NX_Q6YFQ2	ENSG00000160471	Cytochrome c oxidase subu	COX6B2	19q13.42											N/A	Tissue enriched	Detected in some	testis
649	NX_Q8NEG5	ENSG00000163012	E3 ubiquitin-protein ligase	ZSWIM2	2q32.1				yes							N/A	Tissue enriched	Detected in some	testis
650	NX_Q5MJ70	ENSG00000163806	Speedy protein A	SPDYA	2p23.2				yes	yes				yes		Enhanced	Tissue enriched	Detected in some	testis
651	NX_Q9BXC8	ENSG00000164299	Spermatogenic leucine zipp	SPZ1	5q14.1									yes		N/A	Tissue enriched	Detected in single	testis
652	NX_Q8NA57	ENSG00000165805	Uncharacterized protein C11	C12orf50	12q21.32									yes		N/A	Tissue enriched	Detected in single	testis
653	NX_Q96BM0	ENSG00000165948	Interferon alpha-inducible pr	IFI2L7L1	14q32.12				yes					yes		N/A	Tissue enhanced	Detected in all	testis
654	NX_Q9NYW7	ENSG00000169777	Taste receptor type 2 mem	TAS2R1	5p15.31									yes		Uncertain	Tissue enriched	Detected in single	testis
655	NX_Q15415	ENSG00000169800	RNA-binding motif protein,	RBMY1F, RBMY	Yq11.223				yes	yes			yes			Supported	Tissue enriched	Detected in single, Detected	testis
656	NX_Q9BXU2	ENSG00000170925	Testis-expressed protein 13	TEX13B	Xq22.3											N/A	Tissue enriched	Detected in single	testis
657	NX_Q9JBD0	ENSG00000171116	Heat shock transcription fac	HSFX1, HSFX2	Xq28								yes	yes		Approved, Supported	Low tissue specificity, Tissue	Detected in many, Detected	testis
658	NX_Q5T0L3	ENSG00000171722	Spermatogenesis-associate	SPATA46	1q23.3											N/A	Tissue enriched	Detected in some	testis
659	NX_Q9Y6F8	ENSG00000172288	Testis-specific chromodom	CDY1, CDY1B	Yq11.23				yes	yes			yes	yes		Supported	Tissue enriched	Detected in single	testis
660	NX_P59095	ENSG00000174448	StAR-related lipid transfer p	STARDB6	18q21.2				yes							N/A	Tissue enriched	Detected in some	testis
661	NX_P04553	ENSG00000175646	Sperm protamine P1	PRM1	16p13.13	yes			yes	yes				yes		Enhanced	Tissue enriched	Detected in some	testis
662	NX_Q8N7E2	ENSG00000175809	E3 ubiquitin-protein ligase	CBLL2	Xp22.11									yes		N/A	Tissue enriched	Detected in single	testis
663	NX_Q6PIV2	ENSG00000176302	Forkhead box protein R1	FOXR1	11q23.3								yes			N/A	Tissue enriched	Detected in single	testis
664	NX_Q8LUE0	ENSG00000176679	Homeobox protein TGIF2LY	TGIF2LY	Yp11.2									yes		N/A	Tissue enriched	Detected in single	testis

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
 (ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
682	NX_Q4JL3	ENSG00000204179	Tyrosine-protein phosphatase PTPN20	PTPN20	10q11.22								yes	yes		Enhanced	Tissue enriched	Detected in many	testis
683	NX_Q6A555	ENSG00000204193	Thioredoxin domain-containing protein TXNDC8	TXNDC8	9q31.3								yes	yes		N/A	Tissue enriched	Detected in some	testis
684	NX_Q5JUK9	ENSG00000204279	P antigen family member 3 PAGE3	PAGE3	Xp11.21					yes						Uncertain	Tissue enriched	Detected in single	testis
685	NX_Q76001	ENSG00000204701	Olfactory receptor 2J3 OR2J3	OR2J3	6p22.1									yes	yes	N/A	Tissue enriched	Detected in some	testis
686	NX_Q6NXP2	ENSG00000205085	Protein FAM71F2 FAM71F2	FAM71F2	7q32.1					yes						Enhanced	Tissue enriched	Detected in many	testis
687	NX_Q495Y8	ENSG00000205238	Speedy protein E2 SPDYE2	SPDYE2	7q22.1					yes						Approved	Tissue enriched	Detected in many	testis
688	NX_Q85F48	ENSG00000206127	Golgin subfamily A member 8 GOLGA80	GOLGA80	15q13.3											N/A	Tissue enriched	Detected in many	testis
689	NX_Q81YF1	ENSG00000206181	Elongin-A2 ELOA2	ELOA2	18q21.1				yes	yes				yes		Approved	Tissue enriched	Detected in single	testis
690	NX_Q6NNM8	ENSG00000213471	Tubulin polyglutamylase TTT1	TTL13P	15q26.1										yes	Enhanced	Tissue enriched	Detected in single	testis
691	NX_Q09MP3	ENSG00000214842	RAD51-associated protein 2 RAD51AP2	RAD51AP2	2p24.2				yes							N/A	Tissue enriched	Detected in some	testis
692	NX_Q1L429	ENSG00000216649, ENSG00000222047	G antigen 12B/C/D/E GAGE12B, GAGE12C	GAGE12B, GAGE12C	Xp11.23					yes						Supported	Tissue enriched	Detected in single	testis
693	NX_Q5SWW7	ENSG00000222047	Uncharacterized protein C11orf55	C11orf55	10q22.2					yes						Approved	Tissue enriched	Detected in some	testis
694	NX_P86480	ENSG00000227151	Proline-rich protein 20D PRR20D	PRR20D	13q21.1					yes						Uncertain	Tissue enriched	Detected in single	testis
695	NX_P0CV98	ENSG00000228927	Testis-specific Y-encoded protein TSPY3	TSPY3	Yp11.2					yes						Supported	Tissue enriched	Detected in some	testis
696	NX_P86479	ENSG00000229665	Proline-rich protein 20C PRR20C	PRR20C	13q21.1					yes						Uncertain	Tissue enriched	Detected in single	testis
697	NX_P86478	ENSG00000234278	Proline-rich protein 20E PRR20E	PRR20E	13q21.1					yes						Uncertain	Tissue enriched	Detected in single	testis
698	NX_P0DJ3	ENSG00000234414	RNA-binding motif protein, Y RBMY1A1	RBMY1A1	Yq11.223			yes	yes	yes			yes	yes		Supported	Tissue enriched	Detected in single	testis
699	NX_Q9UNN4	ENSG00000242441	TFIIA-alpha and beta-like factor 1 TFIIA1	GTF2A1L	2p16.3					yes			yes	yes		N/A	Tissue enriched	Detected in some	testis
700	NX_Q09M13	ENSG00000243978	Retrosposon Gag-like protein 1 RGL1	RGL1	Xq23											Enhanced	Tissue enriched	Detected in some	testis
701	NX_Q6DHY5	ENSG00000260287	TBC1 domain family member 1 TBC1D3G	TBC1D3G	17q12					yes						Supported	Tissue enriched	Detected in single	testis
702	NX_Q9JUBX2	ENSG00000260596	Double homeobox protein 4 DUX4	DUX4	4q35.2			yes	yes	yes			yes	yes	yes	N/A	Tissue enriched	Detected in some	testis
703	NX_Q60224	ENSG00000268009, ENSG00000268988	Protein SSX4 SSX4, SSX4B	SSX4, SSX4B	Xp11.23					yes				yes		Approved	Tissue enriched	Detected in single	testis
704	NX_Q76001	ENSG00000268988	Sperm protein associated with spermatogenesis SPANXN2	SPANXN2	Xq27.3											N/A	Tissue enriched	Detected in single	testis
705	NX_Q8NHU0	ENSG00000269096	Cancer/testis antigen family 1 CT45A3	CT45A3	Xq26.3					yes						Supported	Tissue enriched	Detected in some	testis
706	NX_P0C5Y9	ENSG00000274183	Histone H2A-Bbd type 1 H2AFB1	H2AFB1	Xq28				yes				yes			N/A	Tissue enriched	Detected in some	testis
707	NX_Q9Y458	ENSG00000122145	T-box transcription factor 18 TBX22	TBX22	Xq21.1		yes			yes			yes			N/A	Group enriched	Detected in some	testis, thyroid gland
708	NX_Q5DT21	ENSG00000204909	Serine protease inhibitor Kallistatin SPINK9	SPINK9	5q32				yes		yes		yes	yes		Uncertain	Tissue enriched	Detected in many	tongue
709	NX_Q0P5P2	ENSG00000214226	Uncharacterized protein C11orf67	C11orf67	17q22					yes						Uncertain	Tissue enriched	Detected in many	vagina
710	NX_Q9NQW1	ENSG00000075826	Protein transport protein Sec13L1	SEC31B	10q24.31				yes		yes	yes	yes	yes		Uncertain	Low tissue specificity	Detected in many	
711	NX_Q9P0N8	ENSG00000099785	E3 ubiquitin-protein ligase MARCH2	MARCH2	19p13.2				yes	yes	yes		yes			Approved	Low tissue specificity	Detected in all	
712	NX_Q15105	ENSG00000101665	Mothers against decapentaplegic 1 SMAD7	SMAD7	18q21.1			yes	yes	yes	yes	yes	yes	yes		Approved	Low tissue specificity	Detected in all	
713	NX_Q95859	ENSG00000106025	Tetraspanin-12 TSPAN12	TSPAN12	7q31.31			yes	yes	yes	yes	yes	yes	yes		Uncertain	Low tissue specificity	Detected in many	
714	NX_Q01453	ENSG00000109099	Peripheral myelin protein 22 PMP22	PMP22	17p12		yes			yes			yes			N/A	Low tissue specificity	Detected in all	
715	NX_Q96A72	ENSG00000111196	Protein mago nashi homolog 1 MAGOH1	MAGOH1	12p13.2			yes	yes	yes	yes	yes	yes			Uncertain	Low tissue specificity	Detected in all	
716	NX_Q9NR21	ENSG00000111224	Protein mono-ADP-ribosyltransferase PARP11	PARP11	12p13.32			yes	yes	yes	yes	yes	yes	yes		Uncertain	Low tissue specificity	Detected in all	
717	NX_Q9NYW0	ENSG00000121318	Taste receptor type 2 member 1 TAS2R10	TAS2R10	12p13.2								yes			N/A	Low tissue specificity	Detected in some	
718	NX_Q9NYW3	ENSG00000121377	Taste receptor type 2 member 1 TAS2R7	TAS2R7	12p13.2								yes			N/A	Not detected	Not detected	
719	NX_P43088	ENSG00000122420	Prostaglandin F2-alpha receptor 1 PTGFR	PTGFR	1p31.1				yes				yes			N/A	Low tissue specificity	Detected in many	
720	NX_Q9Y2N7	ENSG00000124440	Hypoxia-inducible factor 3-alpha HIF3A	HIF3A	19q13.32			yes	yes	yes		yes	yes	yes		Approved	Low tissue specificity	Detected in all	
721	NX_Q8WV35	ENSG00000125122	Leucine-rich repeat-containing protein 1 LRRRC29	LRRRC29	16q22.1					yes			yes			Uncertain	Low tissue specificity	Detected in many	
722	NX_Q9NYV7	ENSG00000128519	Taste receptor type 2 member 1 TAS2R16	TAS2R16	7q31.32				yes				yes			N/A	Not detected	Not detected	
723	NX_Q71317	ENSG00000133678	Transmembrane protein 254 TMEM254	TMEM254	10q22.3											Approved	Low tissue specificity	Detected in all	
724	NX_Q14626	ENSG00000137070	Interleukin-11 receptor subunit 1 IL11RA	IL11RA	9p13.3		yes		yes				yes	yes		Supported	Low tissue specificity	Detected in all	
725	NX_Q6NDV4	ENSG00000137103	Transmembrane protein 8B TMEM8B	TMEM8B	9p13.3				yes			yes	yes	yes		Approved	Low tissue specificity	Detected in all	
726	NX_Q2NL67	ENSG00000137817	Protein mono-ADP-ribosyltransferase PARP6	PARP6	15q23							yes	yes			Approved	Low tissue specificity	Detected in all	
727	NX_Q9GZQ8	ENSG00000140941	Microtubule-associated protein 1A MAP1LC3B	MAP1LC3B	16q24.2			yes	yes	yes	yes	yes	yes	yes		Uncertain	Low tissue specificity	Detected in all	
728	NX_Q9H324	ENSG00000142303	A disintegrin and metalloprotease 10 ADAMTS10	ADAMTS10	19p13.2		yes		yes	yes			yes	yes		Uncertain	Low tissue specificity	Detected in all	
729	NX_Q969D9	ENSG00000145777	Thymic stromal lymphopoietin TSLP	TSLP	5q22.1			yes					yes			N/A	Low tissue specificity	Detected in many	
730	NX_Q9BQJ4	ENSG00000147027	Transmembrane protein 47 TMEM47	TMEM47	Xp21.1						yes					Approved	Low tissue specificity	Detected in many	
731	NX_Q99865	ENSG00000147059	Spindlin-2A SPIN2A	SPIN2A	Xp11.21				yes					yes		Uncertain	Low tissue specificity	Detected in many	
732	NX_A2RU14	ENSG00000150433	Transmembrane protein 218 TMEM218	TMEM218	11q24.2					yes						Uncertain	Low tissue specificity	Detected in all	
733	NX_P0CG48	ENSG00000150991	Polyubiquitin-C UBC	UBC	12q24.31			yes		yes	yes		yes	yes		Supported	Low tissue specificity	Detected in all	
734	NX_Q95231	ENSG00000151650	Homeobox protein VENTX VENTX	VENTX	10q26.3					yes			yes			Uncertain	Low tissue specificity	Detected in many	
735	NX_Q07326	ENSG00000151665	Phosphatidylinositol-glycan 3 PI3F	PI3F	2p21			yes								Uncertain	Low tissue specificity	Detected in all	
736	NX_Q9Y663	ENSG00000153976	Heparan sulfate glucosaminyltransferase 1 HS3ST3A1	HS3ST3A1	17p12			yes					yes	yes		Uncertain	Low tissue specificity	Detected in many	
737	NX_Q9NVL1	ENSG00000158483	Protein FAM86C1 FAM86C1	FAM86C1	11q13.4				yes	yes						N/A	Low tissue specificity	Detected in many	
738	NX_Q8N4L8	ENSG00000159214	Coiled-coil domain-containing protein 1 CCDC24	CCDC24	1p34.1					yes						Uncertain	Low tissue specificity	Detected in many	
739	NX_Q8N2E6	ENSG00000160404	Prosalsin TOR2A	TOR2A	9q34.11						yes		yes			Approved	Low tissue specificity	Detected in all	
740	NX_Q3LFD5	ENSG00000161133	Putative ubiquitin carboxyl-terminal hydrolase 1 USP41	USP41	22q11.21					yes						N/A	Low tissue specificity	Detected in some	
741	NX_Q8WU68	ENSG00000161265	Splicing factor U2AF 26 kDa U2AF1L4	U2AF1L4	19q13.12						yes					Supported	Low tissue specificity	Detected in all	
742	NX_Q81WX5	ENSG00000163082	Sphingosine-1-phosphate phosphatase 2 SGPP2	SGPP2	2q36.1								yes			N/A	Low tissue specificity	Detected in many	
743	NX_Q8N1N5	ENSG00000163945	Cysteine-rich PAK1 inhibitor CRIPAK	CRIPAK	4p16.3				yes	yes			yes			Approved	Low tissue specificity	Detected in all	
744	NX_P40933	ENSG00000164136	Interleukin-15 IL15	IL15	4q31.21			yes		yes			yes			Approved	Low tissue specificity	Detected in many	
745	NX_A1L3X0	ENSG00000164181	Elongation of very long chain fatty acid synthase ELOVL7	ELOVL7	5q12.1					yes			yes	yes		Approved	Low tissue specificity	Detected in many	
746	NX_Q99527	ENSG00000164850	G-protein coupled estrogen receptor 1 GPER1	GPER1	7p22.3			yes				yes	yes	yes		Approved	Low tissue specificity	Detected in all	
747	NX_Q8N6F8	ENSG00000165171	Methyltransferase-like protein 1 METTL27	METTL27	7q11.23					yes						Uncertain	Low tissue specificity	Detected in many	
74																			

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
767	NX_P59103	ENSG00000182346	D-amino acid oxidase activ	DAOA	13q33.2					yes				yes		Uncertain	Not detected	Not detected	
768	NX_Q8NG57	ENSG00000183791	Elongin-A3	ELOA3	18q21.1					yes				yes		Uncertain	Not detected	Not detected	
769	NX_P34982	ENSG00000184166	Olfactory receptor 1D2	OR1D2	17p13.3								yes	yes	yes	N/A	Low tissue specificity	Detected in some	
770	NX_A2RRH5	ENSG00000184465	WD repeat-containing prote	WDR27	6q27						yes					Uncertain	Low tissue specificity	Detected in all	
771	NX_Q2Z3Q9	ENSG00000184619	KRAB-A domain-containing	KRBA2	17p13.1											Approved	Low tissue specificity	Detected in all	
772	NX_Q8IU57	ENSG00000185436	Interferon lambda receptor 1	IFNLR1	1p36.11			yes		yes				yes		Uncertain	Low tissue specificity	Detected in many	
773	NX_Q70Z44	ENSG00000186090	5-hydroxytryptamine recept	HTR3D	3q27.1					yes	yes			yes		N/A	Not detected	Not detected	
774	NX_P0C025	ENSG00000186364	Nucleoside diphosphate-link	NUDT17	1q21.1			yes								Approved	Low tissue specificity	Detected in all	
775	NX_P01566	ENSG00000186803	Interferon alpha-10	IFNA10	9p21.3	yes										Uncertain	Not detected	Not detected	
776	NX_Q86X19	ENSG00000186889	Transmembrane protein 17	TMEM17	2p15			yes			yes				yes	Uncertain	Low tissue specificity	Detected in many	
777	NX_Q3L166	ENSG00000186930	Keratin-associated protein 6	KRTAP6-2	21q22.11						yes			yes		N/A	Not detected	Not detected	
778	NX_Q3L176	ENSG00000186970	Keratin-associated protein 1	KRTAP15-1	21q22.11						yes			yes		N/A	Not detected	Not detected	
779	NX_Q9P0N5	ENSG00000187049	Transmembrane protein 218	TMEM216	11q12.2			yes		yes				yes		N/A	Low tissue specificity	Detected in all	
780	NX_P35212	ENSG00000187513	Gap junction alpha-4 protein	GJA4	1p34.3					yes	yes			yes		Approved	Low tissue specificity	Detected in many	
781	NX_Q969S6	ENSG00000187713	Transmembrane protein 203	TMEM203	9q34.3					yes				yes		N/A	Low tissue specificity	Detected in all	
782	NX_Q0V999	ENSG00000188095	Mesoderm posterior protein	MESP2	15q26.1									yes	yes	N/A	Low tissue specificity	Detected in many	
783	NX_Q1MX18	ENSG00000188487	Protein inscuteable homolog	INSC	11p15.2			yes		yes				yes	yes	Enhanced	Low tissue specificity	Detected in many	
784	NX_Q86UP8	ENSG00000196275	General transcription factor	GTF2IRD2	7q11.23						yes					N/A	Low tissue specificity	Detected in all	
785	NX_A8MW95	ENSG00000196289	Beclin-2	BECN2	1q43			yes		yes	yes		yes	yes	yes	N/A	Not detected	Not detected	
786	NX_Q13765	ENSG00000196531	Nascent polypeptide-associ	NACA	12q13.3			yes		yes	yes	yes	yes	yes	yes	N/A	Low tissue specificity	Detected in all	
787	NX_Q5TYM5	ENSG00000196550	Protein FAM72A	FAM72A	1q32.1					yes	yes			yes	yes	Uncertain	Low tissue specificity	Detected in many	
788	NX_Q8TF45	ENSG00000196724	Zinc finger protein 418	ZNF418	19q13.43					yes				yes		Approved	Low tissue specificity	Detected in all	
789	NX_Q9XRX5	ENSG00000197568	HERV-H LTR-associating p	HHLA3	1p31.1					yes						Approved	Low tissue specificity	Detected in all	
790	NX_Q8TE69	ENSG00000197620	Protein CXorf40A	CXorf40A	Xq28			yes		yes				yes		Approved	Low tissue specificity	Detected in all	
791	NX_Q9NTI7	ENSG00000197852	PAK4-inhibitor INKA2	INKA2	1p13.2					yes						Approved	Low tissue specificity	Detected in many	
792	NX_Q7Z3Z2	ENSG00000198570	Protein RD3	RD3	1q32.3			yes		yes			yes	yes	yes	Approved	Low tissue specificity	Detected in many	
793	NX_Q6ZNS7	ENSG00000198939	Zinc finger protein 2 homolo	ZFP2	5q35.3						yes					Uncertain	Low tissue specificity	Detected in many	
794	NX_Q5TG14	ENSG00000203727	Sterile alpha motif domain-d	SAMD5	6q24.3								yes			Uncertain	Low tissue specificity	Detected in many	
795	NX_Q99678	ENSG00000204882	G-protein coupled receptor	GPR20	8q24.3									yes	yes	N/A	Low tissue specificity	Detected in many	
796	NX_Q6PRD7	ENSG00000205923	Cementoblastoma-derived p	CEMP1	16p13.3							yes	yes	yes	yes	Approved	Low tissue specificity	Detected in many	
797	NX_Q504Y3	ENSG00000206559	Zinc finger CW-type PWWP	ZCWPW2	3p24.1			yes								Uncertain	Low tissue specificity	Detected in many	
798	NX_Q9NYV8	ENSG00000212127	Taste receptor type 2 mem	TAS2R14	12p13.2							yes				N/A	Low tissue specificity	Detected in many	
799	NX_A6NNF4	ENSG00000213967	Zinc finger protein 726	ZNF726	19p12					yes						N/A	Low tissue specificity	Detected in all	
800	NX_Q9Y4R7	ENSG00000214021	Tubulin monoglycylase TTL	TTL3	3p25.3								yes	yes	yes	Approved	Low tissue specificity	Detected in all	
801	NX_E9PJJ5	ENSG00000214967	Nuclear pore complex-inter	NPIPA7	16p13.11						yes					Approved	Low tissue specificity	Detected in all	
802	NX_Q9NVV2	ENSG00000219166	Putative uncharacterized pr	C19orf73	19q13.33					yes						Uncertain	Low tissue specificity	Detected in many	
803	NX_Q6R6M4	ENSG00000223443	Ubiquitin carboxyl-terminal	USP17L2	8p23.1				yes				yes	yes	yes	Uncertain	Low tissue specificity	Detected in some	
804	NX_P0DP91	ENSG00000225830	Chimeric ERCC6-PGBD3 p	ERCC6	10q11.23			yes					yes	yes	yes	N/A	Low tissue specificity	Detected in all	
805	NX_Q8N328	ENSG00000225830	PiggyBac transposable elem	PGBD3	10q11.23								yes	yes	yes	N/A	Low tissue specificity	Detected in all	
806	NX_Q0WX57	ENSG00000228856	Ubiquitin carboxyl-terminal	USP17L24, USP1	4p16.1								yes	yes		Uncertain	Not detected	Not detected	
807	NX_P62945	ENSG00000229117	60S ribosomal protein L41	RPL41	12q13.2			yes					yes	yes	yes	Approved	Low tissue specificity	Detected in all	
808	NX_P01571	ENSG00000234829	Interferon alpha-17	IFNA17	9p21.3	yes								yes		Uncertain	Not detected	Not detected	
809	NX_Q8NDX9	ENSG00000240053	Lymphocyte antigen 6 comp	LY6G5B	6p21.33				yes			yes				Approved	Low tissue specificity	Detected in all	
810	NX_Q3SY46	ENSG00000240432	Keratin-associated protein 1	KRTAP13-3	21q22.11						yes					N/A	Not detected	Not detected	
811	NX_P83881	ENSG00000241343	60S ribosomal protein L36a	RPL36A	Xq22.1			yes								Uncertain	Low tissue specificity	Detected in all	
812	NX_Q96MZ4	ENSG00000250486	Protein FAM218A	FAM218A	4q32.3						yes					N/A	Low tissue specificity	Detected in many	
813	NX_P0CW20	ENSG00000256671	LIM and senescent cell anti	LIMS4	2q13						yes					Uncertain	Low tissue specificity	Detected in many	
814	NX_Q01726	ENSG00000258839	Melanocyte-stimulating hor	MC1R	16q24.3			yes		yes			yes	yes	yes	N/A	Low tissue specificity	Detected in many	
815	NX_E9PQ53	ENSG00000259112	NADH dehydrogenase [ubiq	NDUFC2-KCTD1	11q14.1				yes	yes						Approved	Low tissue specificity	Detected in all	
816	NX_Q9Y5G1	ENSG00000262209	Protocadherin gamma-B3	PCDHGB3	5q31.3			yes						yes		Uncertain	Low tissue specificity	Detected in many	
817	NX_P63303	ENSG00000267697	Leucine zipper protein 6	LUZP6	7q33											N/A	Low tissue specificity	Detected in all	
818	NX_P60409	ENSG00000272804	Keratin-associated protein 1	KRTAP10-7	21q22.23					yes	yes			yes		N/A	Not detected	Not detected	
819	NX_Q8WZ33	ENSG00000277400	MaFF-interacting protein	MAFIP	4					yes				yes		N/A	Low tissue specificity	Detected in many	
820	NX_A053051K01	ENSG00000284718	Small cysteine and glycine r	SCYGR7	2q36.3											N/A	Not detected	Not detected	
821	NX_A053051K02	ENSG00000284725	Small cysteine and glycine r	SCYGR6	2q36.3											N/A	Not detected	Not detected	
822	NX_A0A075B6R0		T cell receptor gamma varia	TRGV2	7p14.1		yes												
823	NX_A0A075B6S0		T cell receptor gamma joini	TRGJ1	7p14.1		yes												
824	NX_A0A075B6T6		T cell receptor alpha varia	TRAV12-2	14q11.2		yes	yes											
825	NX_A0A075B706		T cell receptor delta joini	TRDJ1	14q11.2		yes												
826	NX_A0A087W101		T cell receptor alpha varia	TRAV27	14q11.2		yes	yes	yes										
827	NX_A0A0B4J1U4		T cell receptor gamma varia	TRGV5	7p14.1		yes												
828	NX_A0A0B4J268		T cell receptor alpha varia	TRAV4	14q11.2		yes	yes											
829	NX_A0A0B4J271		T cell receptor alpha varia	TRAV12-3	14q11.2		yes	yes											
830	NX_A0A0B4J272		T cell receptor alpha varia	TRAV24	14q11.2		yes	yes											
831	NX_A0A0B4J277		T cell receptor alpha varia	TRAV22	14q11.2		yes	yes											
832	NX_A0A0B4J279		T cell receptor alpha varia	TRAV21	14q11.2		yes	yes											
833	NX_A0A0B4J2E0		T cell receptor beta varia	TRBV12-4	7q34		yes	yes											
834	NX_A0A0C4DH27		T cell receptor gamma varia	TRGV8	7p14.1		yes												
835	NX_A0A0C4DH28		T cell receptor gamma varia	TRGV4	7p14.1		yes												
836	NX_A0A0C5B5G6		Mitochondrial-derived pepti	MT-RNR1	MT							yes	yes	yes	yes				
837	NX_A0A0K0K1A5		T cell receptor beta varia	TRBV6-5	7q34		yes	yes	yes					yes	yes				
838	NX_A0A0K2S4Q6		Protein CD300H	CD3															

ST3_Human Protein Atlas IHC and mRNA Data Added to neXtProt Data (ST2) for 950 Non-MS-Based neXtProt PE1 Proteins
(ordered alphabetically by tissue with highest expression, Column S)

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	accession code	Ensembl gene code	protein name	gene name(s)	chromosome	Edman	textbook	Disease mu	3D structure	SP curated PPI	IntAct PPI GOL	Exp PTM	Ab info	Exp function	mutagenesis	Tissue Atlas reliability score HPA19	Consensus RNA Specificity	Consensus Distribution	Tissue(s) Most Enriched/Enhanced
852	NX_O43812		Double homeobox protein 1	DUX1	10q26.3						yes			yes					
853	NX_O71037		Endogenous retrovirus group 1	ERVK-19	19q11									yes					
854	NX_P01611		Immunoglobulin kappa variable 1	IGKV1D-12	2p11.2	yes	yes												
855	NX_P01733		T cell receptor beta variable 1	TRBV12-3	7q34		yes												
856	NX_P01768		Immunoglobulin heavy variable 1	IGHV3-30	14q32.33	yes	yes					yes							
857	NX_P03979		T cell receptor gamma variable 1	TRGV3	7p14.1		yes												
858	NX_P09565		Putative insulin-like growth factor 1	GIG44, PP9974	11p15.5						yes								
859	NX_P0CF51		T cell receptor gamma constant 1	TRGC1	7p14.1		yes		yes										
860	NX_P0CG04		Immunoglobulin lambda constant 1	IGLC1	22q11.22	yes	yes		yes			yes							
861	NX_P0CL82		G antigen 12I	GAGE12I	Xp11.23					yes	yes								
862	NX_P0DJ04		RNA-binding motif protein, Y	RBM1C	Yq11.23					yes				yes					
863	NX_P0DP06		Endothelin-converting enzyme 2	ECE2	3q27.1									yes					
864	NX_P0DP06		EEF1AKMT4-ECE2 readthrough	EEF1AKMT4-EC	3q27.1														
865	NX_P0DPI2		Glutamine amidotransferase 2	GATD3A	21q22.3	yes													
866	NX_P0DPK2		Histone H3.Y		5p15.1			yes	yes					yes	yes				
867	NX_P0DPK3		Notch homolog 2 N-terminal	NOTCH2NLB	1q21.2					yes				yes					
868	NX_P0DPK4		Notch homolog 2 N-terminal	NOTCH2NLC	1q21.2					yes				yes					
869	NX_P0DPQ6		DDIT3 upstream open reading frame 1	DDIT3	12q13.3					yes									
870	NX_P0DPR3		T cell receptor delta variable 1	TRDD1	14q11.2		yes												
871	NX_P10265		Endogenous retrovirus group 1	ERVK-10	5q33.3	yes				yes		yes		yes	yes				
872	NX_P31995		Low affinity immunoglobulin gamma 1	FCGR2C	1q23.3				yes		yes	yes		yes					
873	NX_P40205		N-cym protein	MYCNOS	2p24.3					yes			yes	yes					
874	NX_P43627		Killer cell immunoglobulin-like receptor 1	KIR2DL2	19			yes						yes					
875	NX_P43631		Killer cell immunoglobulin-like receptor 2	KIR2DS2	19			yes						yes					
876	NX_P43632		Killer cell immunoglobulin-like receptor 3	KIR2DS4	19, 19q13.42			yes	yes	yes	yes			yes					
877	NX_P47884		Olfactory receptor 1D4	OR1D4	17p13.3					yes									
878	NX_P60008		Spermatid-specific linker histone 1	HILS1	17q21.33									yes					
879	NX_P60507		Endogenous retrovirus group 1	ERVFC1	Xq21.33									yes					
880	NX_P60608		Endogenous retrovirus group 1	ERVFC1-1	7q36.2									yes					
881	NX_P61565		Endogenous retrovirus group 1	ERVK-21	12q14.1									yes					
882	NX_P61571		Endogenous retrovirus group 1	ERVK-21	12q14.1														
883	NX_P61572		Endogenous retrovirus group 1	ERVK-19	19q12														
884	NX_P61573		Endogenous retrovirus group 1	ERVK-9	6q14.1														
885	NX_P61574		Endogenous retrovirus group 1	HERVK_113	19p13.11														
886	NX_P61575		Endogenous retrovirus group 1	ERVK-8	8p23.1														
887	NX_P61576		Endogenous retrovirus group 1	HERV-K104	5q13.3														
888	NX_P61578		Endogenous retrovirus group 1	ERVK-16	10p14														
889	NX_P61579		Endogenous retrovirus group 1	ERVK-25	11q22.1														
890	NX_P61580		Endogenous retrovirus group 1	ERVK-10	5q33.3														
891	NX_P61581		Endogenous retrovirus group 1	ERVK-24	22q11.21									yes					
892	NX_P62683		Endogenous retrovirus group 1	ERVK-21	12q14.1									yes					
893	NX_P62684		Endogenous retrovirus group 1	HERVK_113	19p13.11									yes					
894	NX_P62685		Endogenous retrovirus group 1	ERVK-8	8p23.1									yes					
895	NX_P63126		Endogenous retrovirus group 1	ERVK-9	6q14.1									yes					
896	NX_P63145		Endogenous retrovirus group 1	ERVK-24	22q11.21									yes					
897	NX_P87889		Endogenous retrovirus group 1	ERVK-10	5q33.3									yes					
898	NX_Q08E93		Protein FAM27E3	FAM27E3	9q21.11						yes								
899	NX_Q13066		G antigen 2B/2C	GAGE2B, GAGE2C	Xp11.23						yes			yes					
900	NX_Q13069		G antigen 5	GAGE5	Xp11.2-p11.4						yes								
901	NX_Q13070		G antigen 6	GAGE6	Xp11.2-p11.4						yes								
902	NX_Q14863		POU domain, class 6, transcribed 1	POU6F1	12q13.13			yes											
903	NX_Q14943		Killer cell immunoglobulin-like receptor 3	KIR3DS1	19				yes	yes	yes			yes					
904	NX_Q14953		Killer cell immunoglobulin-like receptor 2	KIR2DS5	19				yes	yes	yes	yes		yes	yes				
905	NX_Q14954		Killer cell immunoglobulin-like receptor 3	KIR2DS1	19				yes					yes					
906	NX_Q156A1		Ataxin-8	ATXN8	13q21								yes						
907	NX_Q3KNS1		Patched domain-containing protein 1	PTCHD3	10p12.1								yes	yes					
908	NX_Q3Y452		Testis development-related protein 1	TDRG1	6p21.2								yes						
909	NX_Q51020		Inactive N-acetyllactosaminidase 1	GGTA1P	9q33.2														
910	NX_Q58A44		Prostate collagen triple helix 1	PCOTH	13q12.12						yes			yes					
911	NX_Q5BKY6		Putative uncharacterized protein		22q11.21						yes								
912	NX_Q5RGS3		Protein FAM74A1	FAM74A1	9p12						yes								
913	NX_Q5V185		Small integral membrane protein 1	SMIM40	6p21.32														
914	NX_Q5TZK3		Protein FAM74A4/A6	FAM74A4, FAM74A6	9q12						yes								
915	NX_Q5W150		Putative uncharacterized protein		20q11.21						yes								
916	NX_Q66K41		Zinc finger protein 385C	ZNF385C	17q21.2						yes								
917	NX_Q69383		Endogenous retrovirus group 1	ERVK-6	7q22.1				yes					yes	yes				
918	NX_Q69384		Endogenous retrovirus group 1	ERVK-6	7p22.1									yes					
919	NX_Q6L8H1		Keratin-associated protein 5	KRTAP5-4	11p15.5				yes	yes				yes					
920	NX_Q6QN14		Ubiquitin carboxyl-terminal hydrolase 1	USP17L6P	4p16.1									yes	yes				
921	NX_Q6RFH8		Double homeobox protein 4	DUX4L9	4q35.2				yes	yes	yes	yes		yes					
922	NX_Q6LXS9		Inactive caspase-12	CASP12	11q22.3						yes			yes					
923	NX_Q6ZPB5		Stress-responsive DNAJB4	SDIM1	6q27				yes				yes	yes					
924	NX_Q6ZSM3		Monocarboxylate transporter 1	SLC16A12	10q23.31				yes					yes	yes	yes			
925	NX_Q6ZT62		Bargin	BARGIN	22q13.1								yes	yes					
926	NX_Q7LDI9		Endogenous retrovirus group 1	ERVK-6	7p22.1									yes					
927	NX_Q7Z442		Polycystic kidney disease protein 1	PKD1L2	16q23.2					yes				yes					
928	NX_Q86UQ8		Transcription factor NF-E4	NFE4	7q22.1	yes				yes	yes	yes		yes	yes				
929	NX_Q86X59		Putative uncharacterized protein	C17orf82	17q23.2						yes								
930	NX_Q8IVG9		Humanin	MT-RNR2	MT			yes	yes	yes	yes			yes	yes				
931	NX_Q8IZS5		Orofacial cleft 1 candidate gene 1	OFCC1	6p24.3						yes	yes							
932	NX_Q8N2X6		Uncharacterized protein EXO3-AS1	EXO3-AS1	5p15.33						yes								
933	NX_Q8N9R6		CMT1A duplicated region transcript 1	CDRT4	17p12						yes								
934	NX_Q8NCU1		Uncharacterized protein CC	CCDC197	14q32.12						yes								
935	NX_Q8NEA9		Germ cell-less protein-like 2	GMCL2	5q35.3				yes	yes				yes					
936	NX_Q8WVWF6		DnaJ homolog subfamily B member 3	DNAJB3	2q37.1			yes					yes						

uniprot_id	ensg_id	display_name	ih_reliabil	tissue_cat	tissue_abu	specific_tissues
A0A0B4J2	ENSG0000	FP565260	Uncertain	Tissue enh	Detected	i blood
A0A286YE	ENSG0000	AC064853	NULL	Tissue enh	Detected	i blood,epididymis,placenta
A0A286YE	ENSG0000	AC064853	NULL	Group enr	Detected	i lymphoid tissue,testis
A0A286YE	ENSG0000	AC097662	NULL	Tissue enh	Detected	i intestine
A0A286YF	ENSG0000	AC093762	NULL	Not detect	Not detect	NULL
A0A286YF	ENSG0000	AC064853	NULL	Tissue enr	Detected	i placenta
A0A286YF	ENSG0000	AC064853	NULL	Tissue enr	Detected	i placenta
A0A286YF	ENSG0000	AC093762	NULL	Not detect	Not detect	NULL
A0A286YF	ENSG0000	AC064853	NULL	Tissue enh	Detected	i adipose tissue
A0A286YF	ENSG0000	AC093762	NULL	Tissue enr	Detected	i skin 1
A0PJY2	ENSG0000	FEZF1	Approved	Group enr	Detected	i brain,testis
A1A4Y4	ENSG0000	IRGM	NULL	Tissue enh	Detected	i blood
A1A580	ENSG0000	KRTAP23-	NULL	Tissue enr	Detected	i skin 1
A1L167	ENSG0000	UBE2QL1	NULL	Group enr	Detected	i brain,heart muscle,retina,seminal vesicle,s
A1L3X0	ENSG0000	ELOVL7	Approved	Low tissue	Detected	i NULL
A1L429	ENSG0000	GAGE12C	Supported	Tissue enr	Detected	i testis
A2A2Z9	ENSG0000	ANKRD18f	Uncertain	Tissue enh	Detected	i brain,testis
A2RRH5	ENSG0000	WDR27	Uncertain	Low tissue	Detected	i NULL
A2RU14	ENSG0000	TMEM218	Uncertain	Low tissue	Detected	i NULL
A4GXA9	ENSG0000	EME2	Uncertain	Tissue enh	Detected	i brain
A5D8T8	ENSG0000	CLEC18A	Uncertain	Tissue enr	Detected	i kidney
A5LHX3	ENSG0000	PSMB11	Enhanced	Tissue enr	Detected	i lymphoid tissue
A5X5Y0	ENSG0000	HTR3E	Enhanced	Tissue enr	Detected	i intestine
A6NCC3	ENSG0000	GOLGA80	NULL	Tissue enh	Detected	i testis
A6NCL1	ENSG0000	GMNC	Uncertain	Tissue enh	Detected	i fallopian tube,kidney,liver
A6NCS4	ENSG0000	NKX2-6	NULL	Tissue enh	Detected	i ductus deferens,heart muscle,lymphoid tis
A6NDV4	ENSG0000	TMEM8B	Approved	Low tissue	Detected	i NULL
A6NEM1	ENSG0000	GOLGA6L5	NULL	Tissue enh	Detected	i stomach 1
A6NGG8	ENSG0000	C2orf71	NULL	Tissue enr	Detected	i retina
A6NI61	ENSG0000	MYMK	Uncertain	Tissue enh	Detected	i brain,epididymis,skeletal muscle
A6NIM6	ENSG0000	SLC15A5	Uncertain	Group enr	Detected	i adipose tissue,brain,breast,testis
A6NJB7	ENSG0000	PRR19	NULL	Tissue enr	Detected	i testis
A6NJZ7	ENSG0000	RIMBP3C	Supported	Tissue enr	Detected	i testis
A6NMN3	ENSG0000	FAM170B	Uncertain	Group enr	Detected	i blood,testis
A6NNB3	ENSG0000	IFITM5	NULL	Tissue enr	Detected	i pancreas
A6NND4	ENSG0000	OR2AT4	NULL	Tissue enh	Detected	i blood,bone marrow
A6NNF4	ENSG0000	ZNF726	NULL	Low tissue	Detected	i NULL
A6NNM8	ENSG0000	TLL13P	Enhanced	Tissue enr	Detected	i testis
A6NNN8	ENSG0000	SLC38A8	NULL	Tissue enh	Detected	i brain,liver
A8K0Z3	ENSG0000	WASHC1	Uncertain	Low tissue	Detected	i NULL
A8MW95	ENSG0000	BECN2	NULL	Not detect	Not detect	NULL
A8MXD5	ENSG0000	GRXCR1	Uncertain	Tissue enr	Detected	i seminal vesicle
B2CW77	ENSG0000	KLLN	NULL	Tissue enh	Detected	i blood,skeletal muscle
B2RXH2	ENSG0000	KDM4E	Uncertain	Tissue enh	Detected	i skin 1
B3KU38	ENSG0000	IQCJ-SCHIF	Approved	Tissue enh	Detected	i brain
B7U540	ENSG0000	KCNJ18	Uncertain	Group enr	Detected	i lymphoid tissue,skin 1

B7ZAP0	ENSG0000 RABGAP1L	Uncertain	Tissue enh Detected i heart muscle
C9JR72	ENSG0000 KBTBD13	Uncertain	Tissue enh Detected i heart muscle,skeletal muscle,tongue
D3WOD1	ENSG0000 KLRF2	NULL	Tissue enh Detected i blood,skin 1
E2RYF6	ENSG0000 MUC22	NULL	Tissue enr Detected i esophagus
E9PJI5	ENSG0000 NPIPA7	Approved	Low tissue Detected i NULL
E9PQ53	ENSG0000 NDUFC2-K	Approved	Low tissue Detected i NULL
O00155	ENSG0000 GPR25	NULL	Tissue enh Detected i blood,lymphoid tissue,stomach 1
O00198	ENSG0000 HRK	Uncertain	Tissue enh Detected i brain,lymphoid tissue,thyroid gland
O00230	ENSG0000 CORT	NULL	Tissue enr Detected i brain
O00254	ENSG0000 F2RL2	NULL	Tissue enh Detected i retina
O00631	ENSG0000 SLN	NULL	Tissue enr Detected i skeletal muscle
O14599	ENSG0000 BPY2,BPY2	NULL	Tissue enr Detected i testis
O14602	ENSG0000 EIF1AY	Uncertain	Tissue enh Detected i heart muscle,skeletal muscle
O14603	ENSG0000 PRY,PRY2	Uncertain	Group enr Detected i blood,epididymis,testis
O14604	ENSG0000 TMSB4Y	NULL	Tissue enh Detected i brain
O14627	ENSG0000 CDX4	Uncertain	Group enr Detected i skin 1,testis
O14633	ENSG0000 LCE2B	NULL	Tissue enr Detected i skin 1
O14842	ENSG0000 FFAR1	NULL	Tissue enh Detected i bone marrow,brain,ovary,pancreas
O14843	ENSG0000 FFAR3	Uncertain	Tissue enh Detected i adipose tissue,blood,lymphoid tissue
O15105	ENSG0000 SMAD7	Approved	Low tissue Detected i NULL
O15146	ENSG0000 MUSK	NULL	Tissue enr Detected i skeletal muscle
O15353	ENSG0000 FOXN1	NULL	Tissue enh Detected i esophagus,lymphoid tissue,skin 1,tongue
O15457	ENSG0000 MSH4	NULL	Tissue enr Detected i testis
O15529	ENSG0000 GPR42	Uncertain	Tissue enh Detected i adipose tissue,blood,intestine
O15547	ENSG0000 P2RX6	Approved	Tissue enh Detected i skeletal muscle
O43316	ENSG0000 PAX4	NULL	Group enr Detected i intestine,testis
O43320	ENSG0000 FGF16	NULL	Tissue enh Detected i adipose tissue,seminal vesicle
O43364	ENSG0000 HOXA2	NULL	Tissue enh Detected i brain
O43612	ENSG0000 HCRT	Enhanced	Tissue enr Detected i brain
O43613	ENSG0000 HCRTR1	Approved	Tissue enh Detected i brain
O43614	ENSG0000 HCRTR2	Enhanced	Tissue enr Detected i brain
O43763	ENSG0000 TLX2	Uncertain	Tissue enh Detected i adrenal gland,brain,retina
O43825	ENSG0000 B3GALT2	NULL	Tissue enh Detected i brain,gallbladder,heart muscle
O43918	ENSG0000 AIRE	Uncertain	Tissue enh Detected i brain,lymphoid tissue
O60224	ENSG0000 SSX4,SSX4	Approved	Tissue enr Detected i testis
O60682	ENSG0000 MSC	NULL	Tissue enh Detected i breast
O60755	ENSG0000 GALR3	NULL	Tissue enh Detected i brain,skeletal muscle
O60806	ENSG0000 TBX19	Enhanced	Tissue enr Detected i pituitary gland
O60814	ENSG0000 HIST1H2BI	Supported	Tissue enr Detected i lymphoid tissue
O60882	ENSG0000 MMP20	NULL	Tissue enh Detected i lymphoid tissue,testis
O75311	ENSG0000 GLRA3	NULL	Group enr Detected i brain,breast,pituitary gland
O75360	ENSG0000 PROP1	Enhanced	Tissue enr Detected i pituitary gland
O75364	ENSG0000 PITX3	NULL	Tissue enh Detected i skeletal muscle,tongue
O75409	ENSG0000 HYPM	Enhanced	Tissue enr Detected i testis
O75443	ENSG0000 TECTA	Approved	Tissue enh Detected i brain
O75603	ENSG0000 GCM2	NULL	Tissue enr Detected i parathyroid gland
O75677	ENSG0000 RFPL1	NULL	Tissue enr Detected i brain

O75679	ENSG0000 RFPL3	NULL	Tissue enr Detected i testis
O75715	ENSG0000 GPX5	NULL	Tissue enr Detected i epididymis
O75838	ENSG0000 CIB2	Approved	Tissue enh Detected i heart muscle,intestine
O76001	ENSG0000 OR2J3	NULL	Tissue enh Detected i testis
O94810	ENSG0000 RGS11	Uncertain	Tissue enh Detected i brain
O95045	ENSG0000 UPP2	NULL	Group enr Detected i kidney,liver
O95076	ENSG0000 ALX3	NULL	Tissue enh Detected i retina
O95231	ENSG0000 VENTX	Uncertain	Low tissue Detected i NULL
O95256	ENSG0000 IL18RAP	Enhanced	Tissue enh Detected i blood,bone marrow,lymphoid tissue
O95257	ENSG0000 GADD45G	Approved	Tissue enh Detected i placenta
O95264	ENSG0000 HTR3B	Approved	Tissue enh Detected i brain
O95389	ENSG0000 WISP3	NULL	Tissue enh Detected i epididymis
O95399	ENSG0000 UTS2	Uncertain	Tissue enh Detected i blood,brain
O95411	ENSG0000 TIAF1	NULL	Tissue enh Detected i brain
O95500	ENSG0000 CLDN14	NULL	Group enr Detected i kidney,liver
O95561	ENSG0000 C1orf105	NULL	Tissue enh Detected i heart muscle,testis
O95661	ENSG0000 DIRAS3	Approved	Tissue enh Detected i brain,ovary,pituitary gland
O95665	ENSG0000 NTSR2	NULL	Tissue enr Detected i brain
O95800	ENSG0000 GPR75	NULL	Tissue enh Detected i brain
O95843	ENSG0000 GUCA1C	Uncertain	Group enr Detected i heart muscle,pancreas,retina
O95859	ENSG0000 TSPAN12	Uncertain	Low tissue Detected i NULL
O95868	ENSG0000 LY6G6D	Uncertain	Tissue enh Detected i seminal vesicle,skin 1
O95932	ENSG0000 TGM6	Uncertain	Group enr Detected i lymphoid tissue,skin 1,tongue
O95947	ENSG0000 TBX6	NULL	Tissue enh Detected i esophagus,lymphoid tissue,pancreas
O95992	ENSG0000 CH25H	NULL	Tissue enh Detected i brain
O97980	ENSG0000 HMHB1	NULL	Tissue enh Detected i blood,testis
P01270	ENSG0000 PTH	Enhanced	Tissue enr Detected i parathyroid gland
P01286	ENSG0000 GHRH	NULL	Tissue enr Detected i brain
P01566	ENSG0000 IFNA10	Uncertain	Not detect Not detect NULL
P01568	ENSG0000 IFNA21	Uncertain	Tissue enh Detected i blood,brain,lymphoid tissue
P01571	ENSG0000 IFNA17	Uncertain	Not detect Not detect NULL
P01588	ENSG0000 EPO	Supported	Tissue enh Detected i cervix, uterine,endometrium 1,liver
P02708	ENSG0000 CHRNA1	Enhanced	Tissue enr Detected i skeletal muscle
P03901	ENSG0000 MT-ND4L	NULL	Tissue enh Detected i blood,skeletal muscle
P04000	ENSG0000 OPN1LW	NULL	Tissue enr Detected i retina
P04001	ENSG0000 OPN1MW	NULL	Tissue enh Detected i lymphoid tissue
P04201	ENSG0000 MAS1	NULL	Tissue enh Detected i brain,cervix, uterine
P04553	ENSG0000 PRM1	Enhanced	Tissue enr Detected i testis
P04908	ENSG0000 HIST1H2AI	Supported	Tissue enr Detected i lymphoid tissue
P05112	ENSG0000 IL4	Approved	Tissue enr Detected i blood
P05113	ENSG0000 IL5	Approved	Tissue enh Detected i blood,testis
P06899	ENSG0000 HIST1H2BJ	Supported	Tissue enr Detected i lymphoid tissue
P07510	ENSG0000 CHRNG	NULL	Group enr Detected i epididymis,skeletal muscle
P08588	ENSG0000 ADRB1	Enhanced	Tissue enh Detected i heart muscle,placenta
P08700	ENSG0000 IL3	NULL	Tissue enh Detected i bone marrow,lymphoid tissue
P08912	ENSG0000 CHRM5	Uncertain	Tissue enr Detected i brain
P09430	ENSG0000 TNP1	Enhanced	Tissue enr Detected i testis

POC025	ENSG0000	NUDT17	Approved	Low tissue	Detected i NULL
POC058	ENSG0000	HIST1H2A	Supported	Tissue enr	Detected i lymphoid tissue
POC5J1	ENSG0000	FAM86B2	Uncertain	Tissue enr	Detected i fallopian tube
POC5Y9	ENSG0000	H2AFB1	NULL	Tissue enr	Detected i testis
POC5Z0	ENSG0000	H2AFB2,H	NULL	Tissue enr	Detected i intestine,pancreas,salivary gland,testis
POC7H8	ENSG0000	KRTAP2-3	Supported	Tissue enr	Detected i skin 1
POC7M3	ENSG0000	SFTA3	NULL	Group enr	Detected i lung,thyroid gland
POC7Q2	ENSG0000	ARMS2	Enhanced	Group enr	Detected i placenta,testis
POC7T4	ENSG0000	HMSD	NULL	Tissue enr	Detected i brain
POCE72	ENSG0000	OCM	Uncertain	Tissue enr	Detected i blood,brain,lymphoid tissue
POCG37	ENSG0000	CFC1	Uncertain	Group enr	Detected i brain,pancreas,pituitary gland,prostate,sto
POCG47	ENSG0000	UBB	Supported	Low tissue	Detected i NULL
POCG48	ENSG0000	UBC	Supported	Low tissue	Detected i NULL
POCI25	ENSG0000	TRIM49	NULL	Tissue enr	Detected i blood,testis
POCL80	ENSG0000	GAGE12F	Supported	Group enr	Detected i blood,testis
POCL81	ENSG0000	GAGE12G	Supported	Group enr	Detected i blood,stomach 1
POCV98	ENSG0000	TSPY3	Supported	Tissue enr	Detected i testis
POCW20	ENSG0000	LIMS4	Uncertain	Low tissue	Detected i NULL
PODJD3	ENSG0000	RBMY1A1	Supported	Tissue enr	Detected i testis
PODJD7	ENSG0000	PGA4	Supported	Tissue enr	Detected i stomach 1
PODJD8	ENSG0000	PGA3	Enhanced	Tissue enr	Detected i stomach 1
PODMC3	ENSG0000	APELA	NULL	Tissue enr	Detected i placenta,prostate
PODML2	ENSG0000	CSH1	Enhanced	Tissue enr	Detected i placenta
PODML3	ENSG0000	CSH2	Supported	Tissue enr	Detected i placenta
PODMS8	ENSG0000	ADORA3	NULL	Group enr	Detected i blood,brain
PODN86	ENSG0000	CGB3,CGB	Enhanced,	Group enr	Detected i pituitary gland,placenta
PODP57	ENSG0000	SLURP2	NULL	Tissue enr	Detected i esophagus,lymphoid tissue,tongue
PODP91	ENSG0000	ERCC6	NULL	Low tissue	Detected i NULL
PODPB3	ENSG0000	SCHIP1	Uncertain	Group enr	Detected i brain,heart muscle,skeletal muscle
P10767	ENSG0000	FGF6	NULL	Group enr	Detected i skeletal muscle,tongue
P10966	ENSG0000	CD8B	Enhanced	Group enr	Detected i blood,lymphoid tissue
P10997	ENSG0000	IAPP	Enhanced	Tissue enr	Detected i pancreas
P11230	ENSG0000	CHRNB1	Approved	Tissue enr	Detected i skeletal muscle,tongue
P12034	ENSG0000	FGF5	NULL	Tissue enr	Detected i brain
P13236	ENSG0000	CCL4	Approved	Group enr	Detected i blood,lung,lymphoid tissue
P13349	ENSG0000	MYF5	NULL	Group enr	Detected i skeletal muscle,tongue
P13385	ENSG0000	TDGF1	NULL	Tissue enr	Detected i kidney,lymphoid tissue,ovary
P13725	ENSG0000	OSM	NULL	Tissue enr	Detected i blood,bone marrow
P13945	ENSG0000	ADRB3	Uncertain	Tissue enr	Detected i gallbladder,ovary,smooth muscle
P14416	ENSG0000	DRD2	Supported	Group enr	Detected i adrenal gland,brain,pituitary gland
P14616	ENSG0000	INSRR	Uncertain	Tissue enr	Detected i adrenal gland,brain,kidney
P14653	ENSG0000	HOXB1	Uncertain	Tissue enr	Detected i esophagus,testis,urinary bladder
P15172	ENSG0000	MYOD1	NULL	Tissue enr	Detected i skeletal muscle
P15382	ENSG0000	KCNE1	NULL	Tissue enr	Detected i fallopian tube
P20671	ENSG0000	HIST1H2A	Supported	Tissue enr	Detected i lymphoid tissue
P21145	ENSG0000	MAL	NULL	Tissue enr	Detected i esophagus
P21452	ENSG0000	TACR2	NULL	Tissue enr	Detected i intestine,smooth muscle

P21918	ENSG0000 DRD5	Supported Group enr	Detected i brain,lymphoid tissue,stomach 1
P22888	ENSG0000 LHCGR	Uncertain Tissue enr	Detected i brain,testis
P23409	ENSG0000 MYF6	NULL Tissue enr	Detected i skeletal muscle
P23415	ENSG0000 GLRA1	Uncertain Tissue enr	Detected i brain
P23416	ENSG0000 GLRA2	Approved Group enr	Detected i brain,intestine
P23527	ENSG0000 HIST1H2B1	Supported Tissue enr	Detected i lymphoid tissue
P23945	ENSG0000 FSHR	NULL Tissue enr	Detected i gallbladder,ovary,testis
P24903	ENSG0000 CYP2F1	NULL Tissue enr	Detected i lung,lymphoid tissue,pituitary gland,testis
P25100	ENSG0000 ADRA1D	Uncertain Tissue enr	Detected i brain
P26371	ENSG0000 KRTAP5-9	NULL Tissue enr	Detected i epididymis,testis,urinary bladder
P26441	ENSG0000 CNTF	Approved Tissue enr	Detected i brain
P26717	ENSG0000 KLRC2	NULL Tissue enr	Detected i blood,brain
P27539	ENSG0000 GDF1	NULL Group enr	Detected i brain,skeletal muscle
P28221	ENSG0000 HTR1D	NULL Tissue enr	Detected i brain,intestine
P28335	ENSG0000 HTR2C	NULL Tissue enr	Detected i brain
P28336	ENSG0000 NMBR	NULL Group enr	Detected i brain,fallopian tube,testis
P28566	ENSG0000 HTR1E	Approved Tissue enr	Detected i brain,ovary
P29371	ENSG0000 TACR3	Uncertain Tissue enr	Detected i brain,urinary bladder
P30301	ENSG0000 MIP	Supported Tissue enr	Detected i liver,retina,testis
P30926	ENSG0000 CHRN4	NULL Group enr	Detected i adrenal gland,lymphoid tissue,retina,testis
P30968	ENSG0000 GNRHR	Enhanced Tissue enr	Detected i pituitary gland
P31358	ENSG0000 CD52	NULL Group enr	Detected i blood,epididymis
P32245	ENSG0000 MC4R	Uncertain Tissue enr	Detected i brain,fallopian tube
P32247	ENSG0000 BRS3	NULL Tissue enr	Detected i epididymis
P32745	ENSG0000 SSTR3	Approved Tissue enr	Detected i brain,lymphoid tissue,testis
P33032	ENSG0000 MC5R	Approved Tissue enr	Detected i epididymis,esophagus
P33763	ENSG0000 S100A5	NULL Tissue enr	Detected i blood,thyroid gland
P33778	ENSG0000 HIST1H2B1	Supported Tissue enr	Detected i lymphoid tissue
P34130	ENSG0000 NTF4	NULL Tissue enr	Detected i skin 1
P34969	ENSG0000 HTR7	Approved Tissue enr	Detected i parathyroid gland,testis
P34981	ENSG0000 TRHR	Approved Group enr	Detected i brain,pituitary gland,thyroid gland
P34982	ENSG0000 OR1D2	NULL Low tissue	Detected i NULL
P35125	ENSG0000 USP6	NULL Group enr	Detected i skeletal muscle,testis
P35212	ENSG0000 GJA4	Approved Low tissue	Detected i NULL
P35452	ENSG0000 HOXD12	Uncertain Tissue enr	Detected i brain,intestine,seminal vesicle,vagina
P35462	ENSG0000 DRD3	NULL Tissue enr	Detected i blood,brain,testis
P35523	ENSG0000 CLCN1	NULL Group enr	Detected i skeletal muscle,tongue
P36544	ENSG0000 CHRNA7	Enhanced Tissue enr	Detected i intestine
P39877	ENSG0000 PLA2G5	Approved Tissue enr	Detected i heart muscle,retina
P39905	ENSG0000 GDNF	Supported Tissue enr	Detected i brain,skeletal muscle
P40933	ENSG0000 IL15	Approved Low tissue	Detected i NULL
P41143	ENSG0000 OPRD1	Approved Tissue enr	Detected i brain
P41146	ENSG0000 OPRL1	NULL Tissue enr	Detected i blood,brain
P41238	ENSG0000 APOBEC1	NULL Tissue enr	Detected i intestine
P41595	ENSG0000 HTR2B	Enhanced Tissue enr	Detected i placenta
P41968	ENSG0000 MC3R	Uncertain Tissue enr	Detected i brain
P43026	ENSG0000 GDF5	Uncertain Tissue enr	Detected i salivary gland

P43088	ENSG0000 PTGFR	NULL	Low tissue Detected i NULL
P43220	ENSG0000 GLP1R	NULL	Tissue enh Detected i pancreas
P43626	ENSG0000 KIR2DL1	NULL	Tissue enh Detected i endometrium 1,lung,lymphoid tissue
P43628	ENSG0000 KIR2DL3	NULL	Tissue enh Detected i lung,lymphoid tissue
P46089	ENSG0000 GPR3	Uncertain	Tissue enh Detected i brain
P46091	ENSG0000 GPR1	Uncertain	Tissue enh Detected i placenta
P46094	ENSG0000 XCR1	Uncertain	Tissue enh Detected i lymphoid tissue
P46095	ENSG0000 GPR6	NULL	Tissue enr Detected i brain
P46098	ENSG0000 HTR3A	Supported	Tissue enh Detected i blood,lymphoid tissue,salivary gland
P46597	ENSG0000 ASMT	NULL	Tissue enh Detected i brain,epididymis
P46663	ENSG0000 BDKRB1	Approved	Tissue enh Detected i gallbladder,lymphoid tissue
P47211	ENSG0000 GALR1	NULL	Tissue enh Detected i adrenal gland,brain,pituitary gland
P47775	ENSG0000 GPR12	Uncertain	Group enr Detected i brain,salivary gland
P47872	ENSG0000 SCTR	Uncertain	Group enr Detected i intestine,pancreas
P47992	ENSG0000 XCL1	Approved	Group enr Detected i blood,lymphoid tissue
P48039	ENSG0000 MTNR1A	NULL	Tissue enh Detected i brain,intestine,kidney,testis
P48145	ENSG0000 NPBWR1	NULL	Tissue enh Detected i blood,brain,liver
P48146	ENSG0000 NPBWR2	NULL	Tissue enr Detected i brain
P48165	ENSG0000 GJA8	Enhanced	Tissue enr Detected i testis
P48546	ENSG0000 GIPR	Uncertain	Tissue enh Detected i brain,stomach 1
P49019	ENSG0000 HCAR3	Approved	Tissue enh Detected i blood
P49286	ENSG0000 MTNR1B	Supported	Tissue enh Detected i brain,lymphoid tissue,placenta,testis
P49335	ENSG0000 POU3F4	NULL	Tissue enr Detected i brain
P49683	ENSG0000 PRLHR	Enhanced	Tissue enh Detected i adrenal gland,brain,cervix, uterine,pituitary
P50052	ENSG0000 AGTR2	NULL	Tissue enh Detected i endometrium 1,lung,smooth muscle
P50406	ENSG0000 HTR6	Uncertain	Tissue enr Detected i brain
P50553	ENSG0000 ASCL1	Enhanced	Tissue enh Detected i brain,liver,pituitary gland
P51582	ENSG0000 P2RY4	Uncertain	Tissue enr Detected i intestine
P51671	ENSG0000 CCL11	NULL	Tissue enh Detected i heart muscle,intestine,lymphoid tissue
P51677	ENSG0000 CCR3	Uncertain	Tissue enr Detected i blood
P51685	ENSG0000 CCR8	Enhanced	Group enr Detected i blood,lymphoid tissue,urinary bladder
P51686	ENSG0000 CCR9	Uncertain	Tissue enr Detected i lymphoid tissue
P51861	ENSG0000 CDR1	NULL	Tissue enr Detected i brain
P52744	ENSG0000 ZNF138	NULL	Tissue enh Detected i brain
P54257	ENSG0000 HAP1	Enhanced	Tissue enh Detected i brain,stomach 1
P54845	ENSG0000 NRL	Enhanced	Tissue enr Detected i retina
P55075	ENSG0000 FGF8	NULL	Tissue enr Detected i skeletal muscle
P55089	ENSG0000 UCN	Approved	Tissue enh Detected i skeletal muscle
P55318	ENSG0000 FOXA3	Uncertain	Tissue enh Detected i liver,pancreas
P55344	ENSG0000 LIM2	NULL	Tissue enr Detected i blood
P55895	ENSG0000 RAG2	NULL	Tissue enr Detected i lymphoid tissue
P55916	ENSG0000 UCP3	Enhanced	Tissue enr Detected i skeletal muscle
P56696	ENSG0000 KCNQ4	Uncertain	Tissue enh Detected i pancreas,retina
P57059	ENSG0000 SIK1	Approved	Tissue enh Detected i skin 1
P58294	ENSG0000 PROK1	NULL	Group enr Detected i ovary,testis
P58400	ENSG0000 NRXN1	NULL	Tissue enr Detected i brain
P58418	ENSG0000 CLRN1	Uncertain	Group enr Detected i adrenal gland,retina

P59046	ENSG0000 NLRP12	Approved	Group enr	Detected i blood,bone marrow,lung,lymphoid tissue
P59095	ENSG0000 STARD6	NULL	Tissue enr	Detected i testis
P59103	ENSG0000 DAOA	Uncertain	Not detect	Not detect NULL
P60153	ENSG0000 RNASE9	NULL	Tissue enr	Detected i epididymis
P60328	ENSG0000 KRTAP12-3	NULL	Group enr	Detected i blood,skin 1
P60329	ENSG0000 KRTAP12-4	NULL	Group enr	Detected i skin 1,testis
P60370	ENSG0000 KRTAP10-5	NULL	Tissue enr	Detected i skin 1
P60372	ENSG0000 KRTAP10-6	NULL	Tissue enr	Detected i skin 1
P60409	ENSG0000 KRTAP10-7	NULL	Not detect	Not detect NULL
P60410	ENSG0000 KRTAP10-8	NULL	Tissue enr	Detected i skin 1
P60411	ENSG0000 KRTAP10-9	NULL	Tissue enr	Detected i skin 1
P60893	ENSG0000 GPR85	NULL	Group enr	Detected i brain,skeletal muscle
P61366	ENSG0000 OSTN	Uncertain	Tissue enh	Detected i blood,brain,prostate
P62502	ENSG0000 LCN6	NULL	Tissue enr	Detected i epididymis
P62807	ENSG0000 HIST1H2B1	Supported	Group enr	Detected i blood,lymphoid tissue
P62945	ENSG0000 RPL41	Approved	Low tissue	Detected i NULL
P62952	ENSG0000 BLCAP	NULL	Tissue enh	Detected i skeletal muscle
P78424	ENSG0000 POU6F2	NULL	Tissue enh	Detected i brain,pancreas
P81277	ENSG0000 PRLH	Approved	Tissue enh	Detected i brain,heart muscle
P81534	ENSG0000 DEFB103A	NULL	Tissue enh	Detected i cervix, uterine,lymphoid tissue,tongue,vag
P82251	ENSG0000 SLC7A9	Enhanced	Group enr	Detected i intestine,kidney
P83881	ENSG0000 RPL36A	Uncertain	Low tissue	Detected i NULL
P86478	ENSG0000 PRR20E	Uncertain	Tissue enr	Detected i testis
P86479	ENSG0000 PRR20C	Uncertain	Tissue enr	Detected i testis
P86480	ENSG0000 PRR20D	Uncertain	Tissue enr	Detected i testis
Q00LT1	ENSG0000 PRCD	NULL	Tissue enr	Detected i retina
Q01453	ENSG0000 PMP22	NULL	Low tissue	Detected i NULL
Q01718	ENSG0000 MC2R	Enhanced	Group enr	Detected i adrenal gland,pituitary gland
Q01726	ENSG0000 MC1R	NULL	Low tissue	Detected i NULL
Q02577	ENSG0000 NHLH2	Uncertain	Group enr	Detected i brain,skin 1
Q02643	ENSG0000 GHRHR	NULL	Tissue enr	Detected i pituitary gland
Q04844	ENSG0000 CHRNE	NULL	Group enr	Detected i heart muscle,pituitary gland
Q05066	ENSG0000 SRY	NULL	Group enr	Detected i esophagus,lymphoid tissue,skin 1,testis
Q05952	ENSG0000 TNP2	NULL	Tissue enr	Detected i testis
Q07001	ENSG0000 CHRND	NULL	Tissue enr	Detected i skeletal muscle
Q07326	ENSG0000 PIGF	Uncertain	Low tissue	Detected i NULL
Q07627	ENSG0000 KRTAP1-1	NULL	Tissue enr	Detected i skin 1
Q09MP3	ENSG0000 RAD51AP2	NULL	Tissue enr	Detected i testis
Q0D2K3	ENSG0000 RIPPLY1	Uncertain	Tissue enh	Detected i kidney,liver
Q0P5P2	ENSG0000 C17orf67	Uncertain	Tissue enh	Detected i vagina
Q0VD86	ENSG0000 INCA1	Uncertain	Tissue enr	Detected i testis
Q0VG99	ENSG0000 MESP2	NULL	Low tissue	Detected i NULL
Q0WX57	ENSG0000 USP17L24	Uncertain	Not detect	Not detect NULL
Q11203	ENSG0000 ST3GAL3	Uncertain	Tissue enh	Detected i skeletal muscle
Q12908	ENSG0000 SLC10A2	Approved	Tissue enr	Detected i intestine
Q13007	ENSG0000 IL24	Uncertain	Tissue enh	Detected i blood,lymphoid tissue
Q13117	ENSG0000 DAZ2	Approved	Group enr	Detected i stomach 1,testis

Q13324	ENSG0000 CRHR2	NULL	Tissue enh Detected i brain
Q13349	ENSG0000 ITGAD	Uncertain	Tissue enr Detected i lymphoid tissue
Q13360	ENSG0000 ZNF177	Uncertain	Tissue enh Detected i testis
Q13461	ENSG0000 FOXE3	NULL	Group enr Detected i brain,lymphoid tissue,testis
Q13639	ENSG0000 HTR4	Enhanced	Group enr Detected i brain,heart muscle,intestine,pituitary glanc
Q13702	ENSG0000 RAPSIN	Approved	Group enr Detected i skeletal muscle,tongue
Q13765	ENSG0000 NACA	NULL	Low tissue Detected i NULL
Q13956	ENSG0000 PDE6H	Supported	Tissue enr Detected i retina
Q14500	ENSG0000 KCNJ12	Approved	Group enr Detected i brain,skeletal muscle
Q14626	ENSG0000 IL11RA	Supported	Low tissue Detected i NULL
Q14916	ENSG0000 SLC17A1	NULL	Group enr Detected i kidney,liver
Q14994	ENSG0000 NR1I3	NULL	Tissue enr Detected i liver
Q14D33	ENSG0000 RTP5	Enhanced	Tissue enr Detected i brain
Q15319	ENSG0000 POU4F3	Uncertain	Tissue enh Detected i brain
Q15415	ENSG0000 RBMY1F,R	Supported	Tissue enr Detected i testis
Q15466	ENSG0000 NR0B2	NULL	Tissue enh Detected i intestine,liver,pancreas
Q15822	ENSG0000 CHRNA2	NULL	Group enr Detected i brain,prostate
Q15825	ENSG0000 CHRNA6	NULL	Tissue enh Detected i brain,retina
Q16559	ENSG0000 TAL2	Uncertain	Group enr Detected i blood,kidney,skeletal muscle
Q16613	ENSG0000 AANAT	NULL	Group enr Detected i retina,testis
Q16671	ENSG0000 AMHR2	NULL	Tissue enh Detected i adrenal gland,ovary,testis
Q16778	ENSG0000 HIST2H2BI	Supported	Tissue enh Detected i lymphoid tissue
Q17RF5	ENSG0000 ODAPH	NULL	Group enr Detected i blood,placenta
Q1MX18	ENSG0000 INSC	Enhanced	Low tissue Detected i NULL
Q2I0M5	ENSG0000 RSPO4	Uncertain	Tissue enh Detected i brain,lung
Q2M2E3	ENSG0000 ODF4	Enhanced	Tissue enr Detected i testis
Q2M3T9	ENSG0000 HYAL4	Uncertain	Tissue enh Detected i placenta,skeletal muscle
Q2NL67	ENSG0000 PARP6	Approved	Low tissue Detected i NULL
Q2WEN9	ENSG0000 CEACAM1	Uncertain	Tissue enh Detected i lymphoid tissue,pancreas
Q2W6J6	ENSG0000 KLHL38	Uncertain	Tissue enr Detected i skeletal muscle
Q30KQ6	ENSG0000 DEFB114	NULL	Tissue enr Detected i epididymis
Q3B8N2	ENSG0000 LGALS9B	Approved	Tissue enh Detected i blood,esophagus,stomach 1
Q3KNW5	ENSG0000 SLC10A6	Enhanced	Tissue enh Detected i adipose tissue,breast,skin 1
Q3KP44	ENSG0000 ANKRD55	Uncertain	Group enr Detected i blood,brain,liver,lymphoid tissue,testis
Q3LFD5	ENSG0000 USP41	NULL	Low tissue Detected i NULL
Q3LI64	ENSG0000 KRTAP6-1	NULL	Tissue enr Detected i skin 1
Q3LI66	ENSG0000 KRTAP6-2	NULL	Not detect Not detect NULL
Q3LI76	ENSG0000 KRTAP15-	NULL	Not detect Not detect NULL
Q3MUY2	ENSG0000 PIGY	Uncertain	Group enr Detected i blood,intestine
Q3SY46	ENSG0000 KRTAP13-	NULL	Not detect Not detect NULL
Q3SYB3	ENSG0000 FOXD4L6	Uncertain	Group enr Detected i brain,lymphoid tissue
Q3SYF9	ENSG0000 KRTAP19-	NULL	Tissue enr Detected i skin 1
Q401N2	ENSG0000 ZACN	NULL	Tissue enh Detected i intestine
Q494R4	ENSG0000 CCDC153	Uncertain	Tissue enh Detected i blood,fallopian tube,pituitary gland
Q494W8	ENSG0000 CHRFBAM7	NULL	Tissue enh Detected i bone marrow,parathyroid gland
Q495M9	ENSG0000 USH1G	Uncertain	Tissue enh Detected i brain,epididymis,esophagus
Q495Y8	ENSG0000 SPDYE2	Approved	Tissue enh Detected i testis

Q4JDL3	ENSG0000 PTPN20	Enhanced	Tissue enh Detected i testis
Q4VC12	ENSG0000 MSS51	NULL	Group enr Detected i parathyroid gland,skeletal muscle
Q504Y3	ENSG0000 ZCWPW2	Uncertain	Low tissue Detected i NULL
Q538Z0	ENSG0000 LUZP6	NULL	Low tissue Detected i NULL
Q56P42	ENSG0000 PYDC2	Uncertain	Group enr Detected i fallopian tube,testis
Q56UN5	ENSG0000 MAP3K19	NULL	Tissue enh Detected i brain,fallopian tube
Q58HT5	ENSG0000 AWAT1	Enhanced	Group enr Detected i breast,skin 1
Q5DT21	ENSG0000 SPINK9	Uncertain	Tissue enr Detected i tongue
Q5H9J7	ENSG0000 BEX5	Enhanced	Tissue enh Detected i brain
Q5I7T1	ENSG0000 ALG10B	Approved	Low tissue Detected i NULL
Q5J5C9	ENSG0000 DEFB121	NULL	Tissue enr Detected i epididymis
Q5JUK9	ENSG0000 PAGE3	Uncertain	Tissue enr Detected i testis
Q5MJ10	ENSG0000 SPANXN2	NULL	Tissue enr Detected i testis
Q5MJ68	ENSG0000 SPDYC	Uncertain	Group enr Detected i liver,testis
Q5MJ70	ENSG0000 SPDYA	Enhanced	Tissue enr Detected i testis
Q5NUL3	ENSG0000 FFAR4	NULL	Group enr Detected i intestine,lung,pituitary gland
Q5QGT7	ENSG0000 RTP2	NULL	Group enr Detected i skeletal muscle,testis
Q5QJU3	ENSG0000 ACER2	NULL	Tissue enh Detected i stomach 1,urinary bladder,vagina
Q5SQQ9	ENSG0000 VAX1	Uncertain	Tissue enr Detected i brain
Q5SRR4	ENSG0000 LY6G5C	Approved	Tissue enh Detected i brain
Q5SWW7	ENSG0000 C10orf55	Approved	Tissue enr Detected i testis
Q5SY68	ENSG0000 S100A7L2	Uncertain	Tissue enr Detected i testis
Q5T0L3	ENSG0000 SPATA46	NULL	Tissue enr Detected i testis
Q5T197	ENSG0000 DCST1	Uncertain	Group enr Detected i retina,skin 1,testis
Q5T1H1	ENSG0000 EYS	NULL	Tissue enr Detected i retina
Q5T215	ENSG0000 TRAPPC3L	NULL	Tissue enh Detected i lymphoid tissue,placenta
Q5T4T1	ENSG0000 TMEM170	Uncertain	Tissue enh Detected i bone marrow
Q5T4W7	ENSG0000 ARTN	NULL	Tissue enh Detected i parathyroid gland
Q5T5A8	ENSG0000 LCE3C	NULL	Group enr Detected i lymphoid tissue,tongue
Q5T6X5	ENSG0000 GPRC6A	NULL	Group enr Detected i adrenal gland,kidney,prostate,salivary glan
Q5T752	ENSG0000 LCE1D	NULL	Tissue enr Detected i skin 1
Q5T753	ENSG0000 LCE1E	NULL	Tissue enr Detected i skin 1
Q5T764	ENSG0000 IFIT1B	Approved	Group enr Detected i bone marrow,placenta
Q5T7M4	ENSG0000 C1QTNF12	Uncertain	Tissue enh Detected i intestine,skin 1
Q5T7P3	ENSG0000 LCE1B	NULL	Tissue enr Detected i skin 1
Q5TA77	ENSG0000 LCE3B	NULL	Tissue enr Detected i lymphoid tissue
Q5TA78	ENSG0000 LCE4A	NULL	Tissue enr Detected i skin 1
Q5TA81	ENSG0000 LCE2C	NULL	Tissue enr Detected i skin 1
Q5TAB7	ENSG0000 RIPPLY2	Uncertain	Tissue enh Detected i brain
Q5TCM9	ENSG0000 LCE5A	NULL	Tissue enr Detected i skin 1
Q5TGI4	ENSG0000 SAMD5	Uncertain	Low tissue Detected i NULL
Q5TGU0	ENSG0000 TSPO2	NULL	Tissue enr Detected i bone marrow
Q5TIA1	ENSG0000 MEI1	Approved	Tissue enh Detected i blood,lymphoid tissue,testis
Q5TIE3	ENSG0000 VWA5B1	Enhanced	Tissue enh Detected i brain,epididymis,testis
Q5TYM5	ENSG0000 FAM72A	Uncertain	Low tissue Detected i NULL
Q5VT99	ENSG0000 LRRC38	Approved	Tissue enh Detected i adrenal gland,skeletal muscle
Q5VVX9	ENSG0000 UBE2U	NULL	Tissue enr Detected i testis

Q5VVY1	ENSG0000	METTL11B	Uncertain	Group enr	Detected i heart muscle,skeletal muscle
Q5VVK5	ENSG0000	IL23R	Uncertain	Tissue enh	Detected i blood,lymphoid tissue
Q5VY80	ENSG0000	RAET1L	NULL	Tissue enh	Detected i esophagus,lymphoid tissue,tongue
Q5XKR4	ENSG0000	OTP	Enhanced	Tissue enr	Detected i brain
Q6A555	ENSG0000	TXNDC8	NULL	Tissue enr	Detected i testis
Q6B811	ENSG0000	DUSP13	NULL	Tissue enh	Detected i skeletal muscle,testis,tongue
Q6DHY5	ENSG0000	TBC1D3G	Supported	Tissue enr	Detected i testis
Q6DKI2	ENSG0000	LGALS9C	Approved	Tissue enh	Detected i blood,esophagus,intestine,lymphoid tissue
Q6E213	ENSG0000	AWAT2	Approved	Group enr	Detected i breast,skin 1
Q6EIG7	ENSG0000	CLEC6A	NULL	Group enr	Detected i blood,heart muscle,lung,lymphoid tissue
Q6EKJ0	ENSG0000	GTF2IRD2	NULL	Low tissue	Detected i NULL
Q6FI13	ENSG0000	HIST2H2A	Supported	Group enr	Detected i blood,bone marrow,lymphoid tissue
Q6ISU1	ENSG0000	PTCRA	NULL	Group enr	Detected i blood,lymphoid tissue
Q6JVE6	ENSG0000	LCN10	Approved	Tissue enh	Detected i epididymis
Q6L8G4	ENSG0000	KRTAP5-1	NULL	Tissue enr	Detected i skin 1
Q6L8G9	ENSG0000	KRTAP5-6	NULL	Group enr	Detected i liver,placenta,skin 1
Q6L8H2	ENSG0000	KRTAP5-3	NULL	Tissue enr	Detected i skin 1
Q6NSX1	ENSG0000	CCDC70	NULL	Tissue enr	Detected i testis
Q6NXP2	ENSG0000	FAM71F2	Enhanced	Tissue enr	Detected i testis
Q6PF15	ENSG0000	KLHL35	Enhanced	Tissue enh	Detected i brain,testis
Q6PI25	ENSG0000	CNIH2	NULL	Tissue enr	Detected i brain
Q6PIU1	ENSG0000	KCNV1	NULL	Tissue enr	Detected i brain
Q6PIV2	ENSG0000	FOXR1	NULL	Tissue enr	Detected i testis
Q6PRD7	ENSG0000	CEMP1	Approved	Low tissue	Detected i NULL
Q6PXP3	ENSG0000	SLC2A7	Uncertain	Tissue enr	Detected i intestine
Q6QHK4	ENSG0000	FIGLA	Supported	Tissue enh	Detected i blood,pancreas,testis
Q6R6M4	ENSG0000	USP17L2	Uncertain	Low tissue	Detected i NULL
Q6RSH7	ENSG0000	VHLL	NULL	Tissue enh	Detected i brain,pancreas,skeletal muscle
Q6RVD6	ENSG0000	SPATA8	NULL	Tissue enr	Detected i testis
Q6S545	ENSG0000	POTEH	NULL	Group enr	Detected i prostate,testis
Q6SJ96	ENSG0000	TBPL2	Uncertain	Tissue enh	Detected i skeletal muscle
Q6TCH4	ENSG0000	PAQR6	NULL	Tissue enr	Detected i brain
Q6U736	ENSG0000	OPN5	Supported	Tissue enr	Detected i testis
Q6UVW9	ENSG0000	CLEC2A	Approved	Tissue enr	Detected i skin 1
Q6UWJ8	ENSG0000	CD164L2	Enhanced	Tissue enh	Detected i fallopian tube
Q6UWM7	ENSG0000	LCTL	NULL	Tissue enh	Detected i brain
Q6UWW9	ENSG0000	TMEM207	Uncertain	Tissue enr	Detected i kidney
Q6UX39	ENSG0000	AMTN	Uncertain	Group enr	Detected i lymphoid tissue,salivary gland,stomach 1
Q6UX52	ENSG0000	C17orf99	Uncertain	Tissue enr	Detected i bone marrow
Q6UXB1	ENSG0000	IGFL3	Uncertain	Tissue enr	Detected i skin 1
Q6UXL0	ENSG0000	IL20RB	NULL	Tissue enh	Detected i esophagus,skin 1
Q6UXT8	ENSG0000	ALKAL1	Uncertain	Tissue enh	Detected i gallbladder,prostate,urinary bladder
Q6UXV0	ENSG0000	GFRAL	Uncertain	Tissue enh	Detected i adipose tissue,blood,liver
Q6UXZ3	ENSG0000	CD300LD	Uncertain	Tissue enh	Detected i blood,bone marrow
Q6V0L0	ENSG0000	CYP26C1	NULL	Tissue enh	Detected i adrenal gland,lymphoid tissue,testis
Q6W5P4	ENSG0000	NPSR1	NULL	Tissue enh	Detected i brain,retina,stomach 1
Q6XD76	ENSG0000	ASCL4	Uncertain	Tissue enh	Detected i blood,parathyroid gland

Q6XPS3	ENSG0000 TPTE2	NULL	Tissue enr Detected i testis
Q6YFQ2	ENSG0000 COX6B2	NULL	Tissue enr Detected i testis
Q6ZNS7	ENSG0000 ZFP2	Uncertain	Low tissue Detected i NULL
Q6ZNE9	ENSG0000 RUFY4	Uncertain	Tissue enh Detected i lung,lymphoid tissue
Q6ZNG9	ENSG0000 KRBA2	Approved	Low tissue Detected i NULL
Q6ZPD8	ENSG0000 DGAT2L6	NULL	Group enr Detected i breast,skin 1
Q6ZQW0	ENSG0000 IDO2	NULL	Group enr Detected i liver,placenta
Q6ZQY3	ENSG0000 GADL1	Uncertain	Tissue enr Detected i skeletal muscle
Q6ZSA7	ENSG0000 LRRC55	Uncertain	Group enr Detected i brain,lymphoid tissue
Q6ZSG1	ENSG0000 RNF165	Uncertain	Tissue enh Detected i brain
Q6ZT89	ENSG0000 SLC25A48	Uncertain	Tissue enh Detected i brain,kidney,skeletal muscle
Q6ZUT3	ENSG0000 FRMD7	Uncertain	Group enr Detected i endometrium 1,kidney,smooth muscle
Q701N4	ENSG0000 KRTAP5-2	NULL	Group enr Detected i brain,pancreas,skin 1
Q70Z44	ENSG0000 HTR3D	NULL	Not detect Not detect NULL
Q71U36	ENSG0000 TUBA1A	Enhanced	Tissue enh Detected i brain,smooth muscle
Q7L7L0	ENSG0000 HIST3H2A	Supported	Tissue enh Detected i brain,lymphoid tissue
Q7RTS5	ENSG0000 OTOP3	NULL	Group enr Detected i esophagus,intestine
Q7RTU3	ENSG0000 OLIG3	Uncertain	Tissue enh Detected i brain,esophagus,placenta
Q7RTU4	ENSG0000 BHLHA9	NULL	Tissue enr Detected i brain
Q7Z2G1	ENSG0000 H2BFWT	Uncertain	Tissue enh Detected i testis
Q7Z3S9	ENSG0000 NOTCH2N	Uncertain	Tissue enh Detected i blood
Q7Z3Y9	ENSG0000 KRT26	Enhanced	Group enr Detected i blood,skin 1,testis
Q7Z3Z2	ENSG0000 RD3	Approved	Low tissue Detected i NULL
Q7Z410	ENSG0000 TMPRSS9	Uncertain	Tissue enh Detected i liver,lymphoid tissue,testis
Q7Z418	ENSG0000 KCNK18	Uncertain	Group enr Detected i brain,testis
Q7Z443	ENSG0000 PKD1L3	NULL	Tissue enh Detected i lymphoid tissue,smooth muscle,testis
Q7Z4H4	ENSG0000 ADM2	NULL	Tissue enh Detected i pancreas,salivary gland
Q7Z6K4	ENSG0000 NRARP	Approved	Tissue enh Detected i intestine
Q86SG2	ENSG0000 ANKRD23	Approved	Tissue enr Detected i skeletal muscle
Q86SG3	ENSG0000 DAZ4	Approved	Group enr Detected i stomach 1,testis
Q86TG1	ENSG0000 TMEM150	Uncertain	Low tissue Detected i NULL
Q86UD3	ENSG0000 3-Mar	Uncertain	Low tissue Detected i NULL
Q86UP8	ENSG0000 GTF2IRD2	NULL	Low tissue Detected i NULL
Q86UU9	ENSG0000 TAC4	NULL	Tissue enh Detected i liver,pituitary gland
Q86UV6	ENSG0000 TRIM74	NULL	Tissue enh Detected i stomach 1
Q86V35	ENSG0000 CABP7	Uncertain	Tissue enh Detected i brain,pancreas
Q86WD7	ENSG0000 SERPINA9	NULL	Tissue enr Detected i lymphoid tissue
Q86X19	ENSG0000 TMEM17	Uncertain	Low tissue Detected i NULL
Q86XJ0	ENSG0000 CALHM3	Uncertain	Tissue enh Detected i blood,pancreas,testis
Q86XS5	ENSG0000 ANGPTL5	Uncertain	Tissue enh Detected i adipose tissue,ovary
Q86XT4	ENSG0000 TRIM50	Uncertain	Group enr Detected i pancreas,stomach 1
Q86YD7	ENSG0000 FAM90A1	NULL	Tissue enh Detected i brain
Q86YV6	ENSG0000 MYLK4	Uncertain	Group enr Detected i skeletal muscle,tongue
Q86YW7	ENSG0000 GPHB5	NULL	Tissue enr Detected i testis
Q8HWS3	ENSG0000 RFX6	Approved	Tissue enh Detected i adrenal gland,intestine,pancreas,stomach :
Q8IU57	ENSG0000 IFNLR1	Uncertain	Low tissue Detected i NULL
Q8IU99	ENSG0000 CALHM1	Enhanced	Tissue enh Detected i brain,kidney,lymphoid tissue

Q8IUC2	ENSG0000 KRTAP8-1	NULL	Tissue enr Detected i skin 1
Q8IUE0	ENSG0000 TGIF2LY	NULL	Tissue enr Detected i testis
Q8IUM7	ENSG0000 NPAS4	Uncertain	Group enr Detected i brain,pituitary gland
Q8IV77	ENSG0000 CNGA4	NULL	Tissue enh Detected i epididymis,fallopian tube,ovary
Q8IWL8	ENSG0000 STH	NULL	Tissue enh Detected i brain,breast,placenta,skeletal muscle
Q8IWR1	ENSG0000 TRIM59	Uncertain	Tissue enh Detected i brain,lymphoid tissue
Q8IWX5	ENSG0000 SGPP2	NULL	Low tissue Detected i NULL
Q8IX05	ENSG0000 CD302	NULL	Tissue enh Detected i liver
Q8IXL9	ENSG0000 IQCF2	NULL	Tissue enr Detected i testis
Q8IY49	ENSG0000 MMD2	NULL	Group enr Detected i brain,testis
Q8IY84	ENSG0000 NIM1K	Uncertain	Group enr Detected i brain,pituitary gland
Q8IYD2	ENSG0000 KLHDC8A	NULL	Tissue enr Detected i ovary
Q8IYF1	ENSG0000 ELOA2	Approved	Tissue enr Detected i testis
Q8IYX0	ENSG0000 ZNF679	NULL	Tissue enr Detected i testis
Q8IZ08	ENSG0000 GPR135	Uncertain	Tissue enh Detected i testis
Q8IZ57	ENSG0000 NRSN1	Uncertain	Tissue enr Detected i brain
Q8IZI9	ENSG0000 IFNL3	NULL	Tissue enh Detected i brain,salivary gland,skin 1,testis
Q8IZP1	ENSG0000 TBC1D3	Approved	Tissue enh Detected i endometrium 1,intestine,lymphoid tissue,t
Q8IZT8	ENSG0000 HS3ST5	Approved	Tissue enh Detected i brain,seminal vesicle,skeletal muscle
Q8IZU0	ENSG0000 FAM9B	Uncertain	Tissue enh Detected i blood,liver,testis
Q8IZX4	ENSG0000 TAF1L	Uncertain	Tissue enr Detected i testis
Q8IZY5	ENSG0000 BLID	NULL	Tissue enh Detected i ovary
Q8N100	ENSG0000 ATOH7	Uncertain	Group enr Detected i brain,liver
Q8N104	ENSG0000 DEFB106A	Supported	Tissue enr Detected i epididymis
Q8N112	ENSG0000 LSMEM2	NULL	Group enr Detected i heart muscle,skeletal muscle,tongue
Q8N144	ENSG0000 GJD3	NULL	Tissue enh Detected i lymphoid tissue
Q8N1L9	ENSG0000 BATF2	Approved	Low tissue Detected i NULL
Q8N1N2	ENSG0000 DYNAP	Uncertain	Group enr Detected i esophagus,tongue
Q8N1N5	ENSG0000 UVSSA	Approved	Low tissue Detected i NULL
Q8N2E6	ENSG0000 TOR2A	Approved	Low tissue Detected i NULL
Q8N2N9	ENSG0000 ANKRD36f	NULL	Tissue enh Detected i bone marrow
Q8N328	ENSG0000 ERCC6	NULL	Low tissue Detected i NULL
Q8N446	ENSG0000 ZNF843	Uncertain	Low tissue Detected i NULL
Q8N4F7	ENSG0000 RNF175	Uncertain	Tissue enh Detected i brain
Q8N4L8	ENSG0000 CCDC24	Uncertain	Low tissue Detected i NULL
Q8N661	ENSG0000 TMEM86B	Uncertain	Tissue enh Detected i liver
Q8N693	ENSG0000 ESX1	Enhanced	Tissue enr Detected i testis
Q8N6F8	ENSG0000 METTL27	Uncertain	Low tissue Detected i NULL
Q8N6R1	ENSG0000 SERP2	Uncertain	Tissue enh Detected i brain
Q8N7E2	ENSG0000 CBLL2	NULL	Tissue enr Detected i testis
Q8N841	ENSG0000 TTLL6	Enhanced	Tissue enh Detected i fallopian tube,intestine,testis
Q8N895	ENSG0000 ZNF366	Uncertain	Tissue enh Detected i adipose tissue
Q8N8F6	ENSG0000 YIPF7	Uncertain	Group enr Detected i skeletal muscle,tongue
Q8N8W4	ENSG0000 PNPLA1	NULL	Tissue enh Detected i blood,skin 1
Q8N8X9	ENSG0000 MAB21L3	Uncertain	Tissue enh Detected i esophagus,skin 1
Q8N966	ENSG0000 ZDHHC22	NULL	Tissue enr Detected i brain
Q8NA57	ENSG0000 C12orf50	NULL	Tissue enr Detected i testis

Q8NA77	ENSG0000 TEX19	Enhanced	Tissue enr	Detected i testis
Q8NBB4	ENSG0000 ZSCAN1	Uncertain	Tissue enh	Detected i brain,epididymis,pituitary gland
Q8NBH2	ENSG0000 KY	Uncertain	Tissue enh	Detected i skeletal muscle,tongue
Q8NCM2	ENSG0000 KCNH5	Uncertain	Tissue enh	Detected i adrenal gland,brain,retina
Q8NDQ6	ENSG0000 ZNF540	Supported	Tissue enh	Detected i pituitary gland
Q8NDV2	ENSG0000 GPR26	Enhanced	Tissue enr	Detected i brain
Q8NDX9	ENSG0000 LY6G5B	Approved	Low tissue	Detected i NULL
Q8NEG5	ENSG0000 ZSWIM2	NULL	Tissue enr	Detected i testis
Q8NEQ6	ENSG0000 SRARP	Uncertain	Tissue enh	Detected i brain,breast
Q8NER1	ENSG0000 TRPV1	NULL	Tissue enh	Detected i liver
Q8NET4	ENSG0000 RTL9	Enhanced	Tissue enr	Detected i testis
Q8NEV9	ENSG0000 IL27	Approved	Tissue enh	Detected i blood,brain,liver
Q8NEW7	ENSG0000 TMIE	Uncertain	Tissue enh	Detected i adrenal gland,brain
Q8NFB6	ENSG0000 PROKR2	Uncertain	Tissue enh	Detected i bone marrow,brain
Q8NFR3	ENSG0000 SPTSSB	NULL	Tissue enh	Detected i blood,skin 1,stomach 1
Q8NFR9	ENSG0000 IL17RE	Uncertain	Tissue enh	Detected i intestine
Q8NG57	ENSG0000 ELOA3	Uncertain	Not detect	Not detect NULL
Q8NHU0	ENSG0000 CT45A3	Supported	Tissue enr	Detected i testis
Q8NHW4	ENSG0000 CCL4L2	NULL	Tissue enh	Detected i blood,bone marrow,lung
Q8TAE7	ENSG0000 KCNG3	NULL	Tissue enh	Detected i brain
Q8TAF8	ENSG0000 LHFPL5	Uncertain	Group enr	Detected i bone marrow,brain,epididymis,pancreas
Q8TAL5	ENSG0000 C9orf43	NULL	Tissue enr	Detected i testis
Q8TBM7	ENSG0000 TMEM254	Approved	Low tissue	Detected i NULL
Q8TCW9	ENSG0000 PROKR1	Uncertain	Tissue enh	Detected i adipose tissue,epididymis
Q8TCY5	ENSG0000 MRAP	Uncertain	Group enr	Detected i adipose tissue,adrenal gland,breast
Q8TD91	ENSG0000 MAGEC3	Approved	Tissue enh	Detected i brain,epididymis,testis
Q8TDD2	ENSG0000 SP7	Enhanced	Tissue enh	Detected i brain,lymphoid tissue,testis
Q8TDE3	ENSG0000 RNASE8	NULL	Tissue enr	Detected i salivary gland
Q8TDI8	ENSG0000 TMC1	NULL	Tissue enh	Detected i cervix, uterine
Q8TDN1	ENSG0000 KCNG4	NULL	Tissue enh	Detected i retina
Q8TDN7	ENSG0000 ACER1	NULL	Group enr	Detected i esophagus,skin 1,tongue
Q8TDT2	ENSG0000 GPR152	Uncertain	Tissue enh	Detected i intestine,lymphoid tissue
Q8TDU9	ENSG0000 RXFP4	NULL	Group enr	Detected i blood,bone marrow,intestine
Q8TDV5	ENSG0000 GPR119	NULL	Tissue enh	Detected i intestine,pancreas
Q8TE12	ENSG0000 LMX1A	NULL	Tissue enh	Detected i brain,pituitary gland
Q8TE60	ENSG0000 ADAMTS1	Uncertain	Group enr	Detected i adipose tissue,brain,placenta
Q8TE69	ENSG0000 CXorf40A	Approved	Low tissue	Detected i NULL
Q8TF45	ENSG0000 ZNF418	Approved	Low tissue	Detected i NULL
Q8TF63	ENSG0000 DCANP1	Uncertain	Tissue enh	Detected i blood,intestine,lymphoid tissue,skin 1
Q8WU08	ENSG0000 STK32A	Uncertain	Tissue enh	Detected i adrenal gland,brain,retina
Q8WU68	ENSG0000 U2AF1L4	Supported	Low tissue	Detected i NULL
Q8WUU8	ENSG0000 TMEM174	Enhanced	Tissue enr	Detected i kidney
Q8WV35	ENSG0000 LRRC29	Uncertain	Low tissue	Detected i NULL
Q8WWG1	ENSG0000 NRG4	Uncertain	Tissue enr	Detected i pancreas
Q8WWN9	ENSG0000 IPCEF1	Enhanced	Group enr	Detected i blood,bone marrow,brain,lymphoid tissue,
Q8WXA8	ENSG0000 HTR3C	NULL	Tissue enr	Detected i lung
Q8WXD0	ENSG0000 RXFP2	NULL	Tissue enh	Detected i brain,epididymis

Q8WXF3	ENSG0000 RLN3	NULL	Tissue enh Detected i blood,parathyroid gland,testis
Q8WXG8	ENSG0000 S100Z	Approved	Tissue enh Detected i blood,lymphoid tissue
Q8WXK4	ENSG0000 ASB12	Uncertain	Group enr Detected i skeletal muscle,tongue
Q8WZ04	ENSG0000 LRTOMT	Approved	Tissue enh Detected i fallopian tube,testis
Q8WZ33	ENSG0000 AC145212	NULL	Low tissue Detected i NULL
Q92731	ENSG0000 ESR2	Enhanced	Tissue enh Detected i ovary,testis,vagina
Q92737	ENSG0000 RASL10A	Approved	Tissue enr Detected i brain
Q92847	ENSG0000 GHSR	NULL	Tissue enh Detected i adrenal gland,blood,pituitary gland
Q92886	ENSG0000 NEUROG1	NULL	Group enr Detected i brain,retina,testis
Q92915	ENSG0000 FGF14	NULL	Group enr Detected i brain,cervix, uterine,fallopian tube
Q92988	ENSG0000 DLX4	Uncertain	Tissue enh Detected i placenta,skin 1
Q93077	ENSG0000 HIST1H2AI	Supported	Group enr Detected i blood,lymphoid tissue
Q93079	ENSG0000 HIST1H2BI	Supported	Tissue enr Detected i lymphoid tissue
Q969D9	ENSG0000 TSLP	NULL	Low tissue Detected i NULL
Q969J5	ENSG0000 IL22RA2	Uncertain	Group enr Detected i breast,lymphoid tissue,placenta
Q969Q0	ENSG0000 RPL36AL	NULL	Low tissue Detected i NULL
Q969S6	ENSG0000 TMEM203	NULL	Low tissue Detected i NULL
Q969V1	ENSG0000 MCHR2	NULL	Group enr Detected i brain,testis
Q969W0	ENSG0000 SPTSSA	NULL	Low tissue Detected i NULL
Q96A44	ENSG0000 SPSB4	NULL	Tissue enr Detected i pancreas
Q96A72	ENSG0000 MAGOHB	Uncertain	Low tissue Detected i NULL
Q96AQ7	ENSG0000 CIDEA	Approved	Group enr Detected i adipose tissue,breast,intestine
Q96AQ9	ENSG0000 FAM131C	Uncertain	Tissue enh Detected i brain
Q96BM0	ENSG0000 IFI27L1	NULL	Tissue enh Detected i testis
Q96BQ3	ENSG0000 TRIM43	Uncertain	Tissue enh Detected i brain,stomach 1,testis
Q96D03	ENSG0000 DDIT4L	NULL	Tissue enr Detected i skeletal muscle
Q96D59	ENSG0000 RNF183	Uncertain	Tissue enh Detected i epididymis,kidney
Q96DL1	ENSG0000 NXPE2	Enhanced	Group enr Detected i epididymis,salivary gland
Q96ET8	ENSG0000 TVP23C	Uncertain	Low tissue Detected i NULL
Q96G61	ENSG0000 NUDT11	Approved	Tissue enh Detected i brain,testis
Q96J65	ENSG0000 ABCC12	Uncertain	Group enr Detected i brain,testis
Q96JQ5	ENSG0000 MS4A4A	Approved	Tissue enh Detected i adipose tissue
Q96KK3	ENSG0000 KCNS1	NULL	Tissue enh Detected i brain
Q96KK5	ENSG0000 HIST1H2AI	Supported	Tissue enr Detected i lymphoid tissue
Q96LB1	ENSG0000 MRGPRX2	Approved	Tissue enh Detected i smooth muscle
Q96LB2	ENSG0000 MRGPRX1	NULL	Not detect Not detect NULL
Q96LB9	ENSG0000 PGLYRP3	Uncertain	Tissue enh Detected i esophagus,skin 1,vagina
Q96MZ4	ENSG0000 FAM218A	NULL	Low tissue Detected i NULL
Q96NL1	ENSG0000 TMEM74	Uncertain	Tissue enh Detected i brain
Q96NS5	ENSG0000 ASB16	Approved	Tissue enh Detected i skeletal muscle,tongue
Q96P66	ENSG0000 GPR101	Uncertain	Tissue enr Detected i brain
Q96P69	ENSG0000 GPR78	Uncertain	Tissue enr Detected i placenta
Q96PC2	ENSG0000 IP6K3	Approved	Group enr Detected i brain,skeletal muscle
Q96PD4	ENSG0000 IL17F	NULL	Group enr Detected i esophagus,lymphoid tissue,urinary bladder
Q96PS8	ENSG0000 AQP10	Enhanced	Tissue enr Detected i intestine
Q96Q35	ENSG0000 ALS2CR12	NULL	Tissue enh Detected i brain,epididymis,testis
Q96Q77	ENSG0000 CIB3	Uncertain	Group enr Detected i blood,bone marrow,testis

Q96QA6	ENSG0000 YPEL2	Uncertain	Low tissue	Detected i NULL
Q96QI5	ENSG0000 HS3ST6	NULL	Tissue enh	Detected i esophagus,skin 1
Q96QS6	ENSG0000 PSKH2	Uncertain	Group enr	Detected i kidney,placenta,testis
Q96RJ6	ENSG0000 FERD3L	Uncertain	Tissue enh	Detected i brain,pituitary gland
Q96RP3	ENSG0000 UCN2	Uncertain	Tissue enh	Detected i skin 1,vagina
Q96SE0	ENSG0000 ABHD1	Uncertain	Tissue enr	Detected i testis
Q96T53	ENSG0000 MBOAT4	NULL	Tissue enh	Detected i pancreas,stomach 1
Q96T55	ENSG0000 KCNK16	NULL	Tissue enh	Detected i pancreas,stomach 1
Q99217	ENSG0000 AMELX	NULL	Tissue enh	Detected i ductus deferens,epididymis,seminal vesicle
Q99527	ENSG0000 GPER1	Approved	Low tissue	Detected i NULL
Q99616	ENSG0000 CCL13	NULL	Low tissue	Detected i NULL
Q99665	ENSG0000 IL12RB2	Uncertain	Tissue enh	Detected i blood,pancreas
Q99677	ENSG0000 LPAR4	Uncertain	Tissue enh	Detected i brain,ovary
Q99678	ENSG0000 GPR20	NULL	Low tissue	Detected i NULL
Q99705	ENSG0000 MCHR1	NULL	Tissue enh	Detected i brain
Q99748	ENSG0000 NRTN	NULL	Tissue enh	Detected i heart muscle,pancreas
Q99819	ENSG0000 ARHGDIG	NULL	Group enr	Detected i brain,intestine,pancreas
Q99865	ENSG0000 SPIN2A	Uncertain	Low tissue	Detected i NULL
Q9BQ31	ENSG0000 KCNS3	Approved	Tissue enh	Detected i skeletal muscle
Q9BQ66	ENSG0000 KRTAP4-1	NULL	Tissue enr	Detected i skin 1
Q9BQJ4	ENSG0000 TMEM47	Approved	Low tissue	Detected i NULL
Q9BQS6	ENSG0000 HSPB9	NULL	Tissue enh	Detected i blood,pancreas,testis
Q9BR10	ENSG0000 SPATA25	NULL	Tissue enh	Detected i testis
Q9BV97	ENSG0000 ZNF747	Uncertain	Low tissue	Detected i NULL
Q9BVW6	ENSG0000 SMIM2	Enhanced	Tissue enr	Detected i testis
Q9BXC0	ENSG0000 HCAR1	NULL	Tissue enh	Detected i breast,parathyroid gland
Q9BXC8	ENSG0000 SPZ1	NULL	Tissue enr	Detected i testis
Q9BXT2	ENSG0000 CACNG6	NULL	Group enr	Detected i blood,skeletal muscle
Q9BXU2	ENSG0000 TEX13B	NULL	Tissue enr	Detected i testis
Q9BXU7	ENSG0000 USP26	NULL	Tissue enr	Detected i testis
Q9BXU9	ENSG0000 CALN1	Approved	Tissue enh	Detected i adrenal gland,brain,lymphoid tissue
Q9BYR9	ENSG0000 KRTAP2-4	Supported	Tissue enr	Detected i skin 1
Q9BZA8	ENSG0000 PCDH11Y	NULL	Tissue enh	Detected i brain,seminal vesicle
Q9BZE7	ENSG0000 C22orf23	NULL	Tissue enr	Detected i testis
Q9BZG2	ENSG0000 ACP4	NULL	Tissue enh	Detected i skin 1,testis
Q9BZJ8	ENSG0000 GPR61	Approved	Tissue enh	Detected i brain,pituitary gland,retina
Q9BZL3	ENSG0000 SMIM3	NULL	Group enr	Detected i adipose tissue,blood,bone marrow,pancreas
Q9BZM2	ENSG0000 PLA2G2F	NULL	Tissue enh	Detected i lymphoid tissue,skin 1,urinary bladder
Q9C0J1	ENSG0000 B3GNT4	Uncertain	Tissue enh	Detected i brain,skin 1
Q9GZQ8	ENSG0000 MAP1LC3F	Uncertain	Low tissue	Detected i NULL
Q9GZZ6	ENSG0000 CHRNA10	NULL	Tissue enr	Detected i skeletal muscle
Q9GZZ7	ENSG0000 GFRA4	NULL	Tissue enh	Detected i brain,thyroid gland
Q9H0A6	ENSG0000 RNF32	Enhanced	Tissue enr	Detected i testis
Q9H0N0	ENSG0000 RAB6C	Uncertain	Tissue enh	Detected i parathyroid gland
Q9H0W7	ENSG0000 THAP2	Approved	Low tissue	Detected i NULL
Q9H0X6	ENSG0000 RNF208	Uncertain	Tissue enh	Detected i brain
Q9H112	ENSG0000 CST11	Enhanced	Tissue enr	Detected i epididymis

Q9H1J5	ENSG0000 WNT8A	Uncertain	Tissue enh Detected i brain,testis
Q9H205	ENSG0000 OR2AG1	NULL	Tissue enh Detected i blood
Q9H252	ENSG0000 KCNH6	Approved	Tissue enh Detected i intestine,kidney,pituitary gland,retina
Q9H295	ENSG0000 DCSTAMP	NULL	Group enr Detected i adipose tissue,lung
Q9H2R5	ENSG0000 KLK15	Uncertain	Tissue enh Detected i intestine,salivary gland
Q9H2W2	ENSG0000 MIXL1	NULL	Tissue enh Detected i blood,lymphoid tissue
Q9H306	ENSG0000 MMP27	Approved	Tissue enh Detected i breast,tongue
Q9H310	ENSG0000 RHBG	Enhanced	Group enr Detected i brain,kidney,ovary
Q9H324	ENSG0000 ADAMTS1	Uncertain	Low tissue Detected i NULL
Q9H3M0	ENSG0000 KCNF1	Enhanced	Tissue enr Detected i brain
Q9H3Y6	ENSG0000 SRMS	Uncertain	Tissue enh Detected i epididymis
Q9H4Q4	ENSG0000 PRDM12	Uncertain	Tissue enh Detected i brain
Q9H9S0	ENSG0000 NANOG	Supported	Tissue enh Detected i blood,testis
Q9HB03	ENSG0000 ELOVL3	Enhanced	Tissue enh Detected i skin 1
Q9HB15	ENSG0000 KCNK12	NULL	Tissue enr Detected i brain
Q9HB29	ENSG0000 IL1RL2	Uncertain	Tissue enh Detected i skin 1
Q9HBY0	ENSG0000 NOX3	NULL	Tissue enh Detected i adrenal gland
Q9HC23	ENSG0000 PROK2	Approved	Tissue enh Detected i blood,bone marrow
Q9HCX4	ENSG0000 TRPC7	Uncertain	Tissue enh Detected i adrenal gland,brain,intestine,kidney,pituitary gland
Q9HD90	ENSG0000 NEUROD4	Enhanced	Tissue enr Detected i pituitary gland
Q9NP95	ENSG0000 FGF20	NULL	Tissue enh Detected i brain
Q9NPA1	ENSG0000 KCNMB3	Approved	Low tissue Detected i NULL
Q9NPB3	ENSG0000 CABP2	NULL	Tissue enr Detected i retina
Q9NPB9	ENSG0000 ACKR4	NULL	Tissue enh Detected i intestine,salivary gland
Q9NPC2	ENSG0000 KCNK9	NULL	Group enr Detected i adrenal gland,brain
Q9NPH9	ENSG0000 IL26	NULL	Tissue enh Detected i lymphoid tissue,tongue,urinary bladder
Q9NPZ5	ENSG0000 B3GAT2	Uncertain	Tissue enr Detected i brain
Q9NQR9	ENSG0000 G6PC2	NULL	Group enr Detected i pancreas,retina
Q9NQV7	ENSG0000 PRDM9	Uncertain	Tissue enh Detected i blood,epididymis,testis
Q9NQW1	ENSG0000 SEC31B	Uncertain	Low tissue Detected i NULL
Q9NQW5	ENSG0000 PRDM7	Approved	Tissue enr Detected i testis
Q9NQW8	ENSG0000 CNGB3	Enhanced	Tissue enr Detected i retina
Q9NQZ3	ENSG0000 DAZ1	Supported	Group enr Detected i stomach 1,testis
Q9NR20	ENSG0000 DYRK4	Enhanced	Tissue enr Detected i testis
Q9NR21	ENSG0000 PARP11	Uncertain	Low tissue Detected i NULL
Q9NR90	ENSG0000 DAZ3	Approved	Tissue enh Detected i stomach 1,testis
Q9NRC9	ENSG0000 OTOR	Uncertain	Tissue enh Detected i brain,stomach 1
Q9NRQ5	ENSG0000 SMCO4	Uncertain	Tissue enh Detected i salivary gland
Q9NS75	ENSG0000 CYSLTR2	Uncertain	Tissue enh Detected i blood,ductus deferens,placenta,seminal ve
Q9NSD7	ENSG0000 RXFP3	Uncertain	Group enr Detected i adrenal gland,brain,pancreas,pituitary gland
Q9NSN8	ENSG0000 SNTG1	Enhanced	Group enr Detected i brain,lymphoid tissue,pituitary gland
Q9NTI7	ENSG0000 FAM212B	Approved	Low tissue Detected i NULL
Q9NTQ9	ENSG0000 GJB4	Enhanced	Tissue enh Detected i epididymis,skin 1
Q9NU63	ENSG0000 ZFP57	Uncertain	Tissue enh Detected i brain,heart muscle
Q9NV12	ENSG0000 TMEM140	NULL	Tissue enh Detected i blood
Q9NV39	ENSG0000 PRR34	NULL	Tissue enh Detected i breast
Q9NVL1	ENSG0000 FAM86C1	NULL	Low tissue Detected i NULL

Q9NVV2	ENSG0000 C19orf73	Uncertain	Low tissue	Detected i	NULL
Q9NWF4	ENSG0000 SLC52A1	NULL	Group enr	Detected i	intestine,placenta
Q9NWW9	ENSG0000 HRASLS2	Approved	Tissue enh	Detected i	blood,intestine
Q9NXI6	ENSG0000 RNF186	Enhanced	Group enr	Detected i	epididymis,intestine,kidney,pancreas
Q9NY37	ENSG0000 ASIC5	Approved	Tissue enr	Detected i	intestine
Q9NYV7	ENSG0000 TAS2R16	NULL	Not detect	Not detect	NULL
Q9NYV8	ENSG0000 TAS2R14	NULL	Low tissue	Detected i	NULL
Q9NYV9	ENSG0000 TAS2R13	NULL	Tissue enh	Detected i	epididymis
Q9NYW0	ENSG0000 TAS2R10	NULL	Low tissue	Detected i	NULL
Q9NYW1	ENSG0000 TAS2R9	NULL	Tissue enh	Detected i	cervix, uterine
Q9NYW2	ENSG0000 TAS2R8	NULL	Tissue enh	Detected i	brain
Q9NYW3	ENSG0000 TAS2R7	NULL	Not detect	Not detect	NULL
Q9NYW4	ENSG0000 TAS2R5	NULL	Tissue enh	Detected i	skin 1
Q9NYW5	ENSG0000 TAS2R4	NULL	Tissue enh	Detected i	brain
Q9NYW7	ENSG0000 TAS2R1	Uncertain	Tissue enr	Detected i	testis
Q9NYZ1	ENSG0000 TVP23B	Uncertain	Low tissue	Detected i	NULL
Q9NZD1	ENSG0000 GPRC5D	Approved	Tissue enh	Detected i	blood,skin 1
Q9NZH5	ENSG0000 PTTG2	Uncertain	Tissue enh	Detected i	lymphoid tissue
Q9NZH7	ENSG0000 IL36B	Uncertain	Group enr	Detected i	esophagus,lymphoid tissue,skin 1
Q9NZK7	ENSG0000 PLA2G2E	Uncertain	Group enr	Detected i	lymphoid tissue,skin 1
Q9NZP6	ENSG0000 NPAP1	Uncertain	Tissue enr	Detected i	testis
Q9NZR4	ENSG0000 VSX1	NULL	Group enr	Detected i	brain,retina
Q9POL9	ENSG0000 PKD2L1	Uncertain	Tissue enh	Detected i	brain,lymphoid tissue
Q9POM4	ENSG0000 IL17C	Supported	Tissue enh	Detected i	endometrium 1
Q9PON5	ENSG0000 TMEM216	NULL	Low tissue	Detected i	NULL
Q9PON8	ENSG0000 2-Mar	Approved	Low tissue	Detected i	NULL
Q9POW0	ENSG0000 IFNK	NULL	Tissue enh	Detected i	brain,skin 1
Q9UBD0	ENSG0000 HSF1,HSF	Approved,	Low tissue	Detected i	testis
Q9UBD3	ENSG0000 XCL2	Approved	Tissue enh	Detected i	blood
Q9UBK5	ENSG0000 HCST	Enhanced	Tissue enh	Detected i	blood,bone marrow,lymphoid tissue
Q9UBK7	ENSG0000 RABL2A	Approved	Tissue enh	Detected i	fallopian tube
Q9UBX0	ENSG0000 HESX1	Approved	Tissue enh	Detected i	ductus deferens,lymphoid tissue
Q9UBX2	ENSG0000 DUX4	NULL	Tissue enh	Detected i	testis
Q9UHC3	ENSG0000 ASIC3	Enhanced	Tissue enh	Detected i	brain
Q9UHM6	ENSG0000 OPN4	Approved	Group enr	Detected i	brain,skeletal muscle
Q9UI33	ENSG0000 SCN11A	Uncertain	Tissue enh	Detected i	lymphoid tissue,placenta
Q9UI96	ENSG0000 KCNG2	Enhanced	Tissue enr	Detected i	brain
Q9UIJW3	ENSG0000 DNMT3L	Approved	Group enr	Detected i	kidney,liver
Q9UIJW9	ENSG0000 SERTAD3	NULL	Low tissue	Detected i	NULL
Q9UKG4	ENSG0000 SLC13A4	Approved	Group enr	Detected i	brain,placenta,retina
Q9UKN7	ENSG0000 MYO15A	Enhanced	Tissue enr	Detected i	pituitary gland
Q9ULD8	ENSG0000 KCNH3	NULL	Tissue enh	Detected i	brain
Q9ULS6	ENSG0000 KCNS2	Uncertain	Tissue enr	Detected i	brain
Q9UNA3	ENSG0000 A4GNT	Enhanced	Group enr	Detected i	gallbladder,pancreas,stomach 1
Q9UNN4	ENSG0000 GTF2A1L	NULL	Tissue enr	Detected i	testis
Q9UPM6	ENSG0000 LHX6	Approved	Tissue enh	Detected i	brain
Q9XRX5	ENSG0000 HHLA3	Approved	Low tissue	Detected i	NULL

Q9Y258	ENSG0000 CCL26	NULL	Tissue enh Detected i ovary,retina
Q9Y264	ENSG0000 ANGPT4	Uncertain	Tissue enh Detected i adipose tissue,breast,cervix, uterine
Q9Y278	ENSG0000 HS3ST2	Approved	Group enr Detected i adipose tissue,brain,lung
Q9Y2M2	ENSG0000 SSUH2	Approved	Tissue enr Detected i intestine
Q9Y2N7	ENSG0000 HIF3A	Approved	Low tissue Detected i NULL
Q9Y2T6	ENSG0000 GPR55	NULL	Tissue enh Detected i brain,intestine,lymphoid tissue,testis
Q9Y3D7	ENSG0000 PAM16	NULL	Tissue enh Detected i skeletal muscle
Q9Y458	ENSG0000 TBX22	NULL	Group enr Detected i testis,thyroid gland
Q9Y466	ENSG0000 NR2E1	Uncertain	Tissue enr Detected i brain
Q9Y4R7	ENSG0000 TLL3	Approved	Low tissue Detected i NULL
Q9Y4Z2	ENSG0000 NEUROG3	Uncertain	Tissue enh Detected i brain,intestine
Q9Y5G1	ENSG0000 PCDHGB3	Uncertain	Low tissue Detected i NULL
Q9Y5H9	ENSG0000 PCDHA2	Uncertain	Tissue enh Detected i brain
Q9Y5K2	ENSG0000 KLK4	Enhanced	Tissue enr Detected i prostate
Q9Y5N1	ENSG0000 HRH3	NULL	Tissue enr Detected i brain
Q9Y5X5	ENSG0000 NPFFR2	NULL	Tissue enh Detected i lymphoid tissue,seminal vesicle
Q9Y5Y9	ENSG0000 SCN10A	NULL	Group enr Detected i heart muscle,testis
Q9Y663	ENSG0000 HS3ST3A1	Uncertain	Low tissue Detected i NULL
Q9Y691	ENSG0000 KCNMB2	Uncertain	Tissue enh Detected i epididymis
Q9Y6C5	ENSG0000 PTCH2	NULL	Tissue enh Detected i parathyroid gland,salivary gland,testis
Q9Y6F7	ENSG0000 CDY2A,CD	Supported	Group enr Detected i epididymis,testis
Q9Y6F8	ENSG0000 CDY1,CDY:	Supported	Tissue enr Detected i testis

keletal muscle

sue, salivary gland

mach 1

y gland,smooth muscle

ina

d

stomach 1

:estis

thyroid gland

2

as

ary gland, testis

side
id