Selenoproteome Identification in Inflamed Murine Primary Bone Marrow-derived Macrophages by nano-LC Orbitrap Fusion Tribrid Mass Spectrometry

Table S2: TMT labeled peptides of Selenoproteins
For sequences highlighted in yellow, MS/MS spectra are provided in Figure S1

Protein name	Annotated Sequence	Modifications	# PSMs	Master Pro	# Missed C	Theo. MH+	m/z [Da]	ΔM [ppm]	Percolator	Percolator	XCorr	Positions in	Sequence Length
Selenoprotein N	[R].QLAGLHLEK.[Y]	1×TMT6plex [K	1	D3Z2R5	0	1466.91	489.64	0.19	0.0	0.0	3.00	[476-484]	9
Selenoprotein N	[R].LPSGEPLQFVFEEIK.[W]	1×TMT6plex [K	2	D3Z2R5	0	2191.24	731.08	-2.20	0.0	0.1	2.04	[356-370]	15
Phospholipid hydroperoxide glutathione peroxidase	[R].SMHEFSAK.[D]	1×TMT6plex [K	3	O70325	0	1394.75	465.59	-0.61	0.0	0.0	3.34	[40-47]	8
Phospholipid hydroperoxide glutathione peroxidase	[K].DIDGHMVCLDK.[Y]	1×Carbamidom	8	O70325	0	1760.91	587.64	0.18	0.0	0.0	4.34	[48-58]	11
Phospholipid hydroperoxide glutathione peroxidase	[K].EFAAGYNVK.[F]	1×TMT6plex [K	7	O70325	0	1456.82	728.91	-0.53	0.0	0.0	4.67	[118-126]	9
Phospholipid hydroperoxide glutathione peroxidase	[R].GMLGNAIK.[W]	1×TMT6plex [K	4	O70325	0	1261.77	631.39	-1.60	0.0	0.0	3.01	[155-162]	8
Phospholipid hydroperoxide glutathione peroxidase	[K].ICVNGDDAHPLWK.[W]	1×Carbamidom	3	O70325	0	1983.05	661.69	0.33	0.0	0.0	3.54	[133-145]	13
Phospholipid hydroperoxide glutathione peroxidase	[R].ILAFPCNQFGR.[Q]	1×Carbamidom	1	O70325	0	1551.83	776.42	-0.92	0.0	0.1	3.07	[97-107]	11
Phospholipid hydroperoxide glutathione peroxidase	[R].QEPGSNQEIK.[E]	1×TMT6plex [K	10	O70325	0	1587.87	529.96	0.26	0.0	0.0	3.87	[108-117]	10
Phospholipid hydroperoxide glutathione peroxidase	[K].TDVNYTQLVDLHAR.[Y]	1×TMT6plex [N	5	O70325	0	1874.00	625.34	-0.69	0.0	0.0	6.05	[76-89]	14
Phospholipid hydroperoxide glutathione peroxidase	[R].YAECGLR.[I]	1×Carbamidom	3	O70325	0	1097.56	549.28	-0.23	0.0	0.0	2.88	[90-96]	7
Phospholipid hydroperoxide glutathione peroxidase	[R].YGPMEEPQVIEK.[D]	1×TMT6plex [K	9	O70325	0	1878.01	939.51	-0.63	0.0	0.0	4.85	[180-191]	12
Glutathione peroxidase 1	[K].AHPLFTFLR.[N]	1×TMT6plex [N	5	P11352	0	1330.78	665.89	-2.34	0.0	0.0	2.56	[120-128]	9
Glutathione peroxidase 1	[R].DYTEMNDLQK.[R]	1×TMT6plex [K	14	P11352	0	1714.87	857.94	-0.98	0.0	0.0	4.07	[53-62]	10
Glutathione peroxidase 1	[K].FLVGPDGVPVR.[R]	1×TMT6plex [N	5	P11352	0	1384.82	692.91	-0.36	0.0	0.0	3.02	[165-175]	11
Glutathione peroxidase 1	[R].NALPTPSDDPTALMTDPK.[Y]	1×TMT6plex [K	11	P11352	0	2342.23	1171.62	1.82	0.0	0.0	5.57	[129-146]	18
Glutathione peroxidase 1	[R].NDIAWNFEK.[F]	1×TMT6plex [K	9	P11352	0	1594.86	797.93	-1.00	0.0	0.0	4.00	[156-164]	9
Glutathione peroxidase 1	[K].NEEILNSLK.[Y]	1×TMT6plex [K	6	P11352	0	1517.89	759.45	-1.58	0.0	0.0	4.16	[87-95]	9
Glutathione peroxidase 1	[R].TIDIEPDIETLLSQQSGNS.[-]	1×TMT6plex [N	12	P11352	0	2289.17	1145.09	-0.26	0.0	0.0	6.18	[183-201]	19
Glutathione peroxidase 1	[K].YIIWSPVCR.[N]	1×Carbamidom	3	P11352	0	1422.78	711.89	0.45	0.0	0.0	2.65	[147-155]	9
Glutathione peroxidase 1	[K].YVRPGGGFEPNFTLFEK.[C]	1×TMT6plex [K	4	P11352	0	2416.31	806.11	-1.11	0.0	0.0	5.73	[96-112]	17
Thioredoxin reductase-like selenoprotein T	[R].IEGENYLPQPIYR.[H]	1×TMT6plex [N	11	P62342	0	1820.97	910.99	-0.87	0.0	0.0	4.37	[71-83]	13
Thioredoxin reductase-like selenoprotein T	[K].MQYATGPLLK.[F]	1×TMT6plex [K	8	P62342	0	1579.93	790.47	-0.81	0.0	0.0	4.06	[33-42]	10
Selenoprotein W	[R].GDGYVDTESK.[F]	1×TMT6plex [K	2	P63300	0	1528.79	764.90	0.45	0.0	0.0	3.48	[63-72]	10
Ethanolaminephosphotransferase 1	[K].YSALDTNPLSLYIMHPFWNTIVK.[V]	1×Deamidated	2	Q80TA1	0	3182.70	1061.58	6.21	0.0	0.0	6.85	[20-42]	23
Selenoprotein M	[K].HLPGADPELVLLSR.[N]	1×TMT6plex [N	2	Q8VHC3	0	1746.01	582.67	-0.42	0.0	0.0	4.50	[74-87]	14
Selenoprotein S	[R].NSGRPQEEDGPGPSTSSVIPK.[G]	1×TMT6plex [K	2	Q9BCZ4	0	2597.36	866.46	-1.64	0.0	0.0	4.85	[131-151]	21
Selenoprotein S	[R].QLDQAETVLEPDVVVK.[R]	1×TMT6plex [K	1	Q9BCZ4	0	2241.27	747.76	0.67	0.0	0.0	4.22	[62-77]	16
Selenoprotein S	[K].RQEALAAAR.[L]	1×TMT6plex [N	2	Q9BCZ4	1	1214.72	405.58	-2.24	0.0	0.0	3.53	[78-86]	9
Selenoprotein F	[R].ELGFSSNLLCSSCDLLGQFNLLPLDPVCR.[G]	3×Carbamidom	3	Q9ERR7	0	3553.77	889.20	1.34	0.0	0.0	4.26	[40-68]	29
Selenoprotein F	[R].GCCQEEAQFETK.[K]	2×Carbamidom	8	Q9ERR7	0	1944.92	972.96	-1.30	0.0	0.0	4.85	[69-80]	12
Selenoprotein F	[K].LLDDNGNIAEELSILK.[W]	1×TMT6plex [K	5	Q9ERR7	0	2215.26	1108.13	-0.44	0.0	0.0	6.53	[130-145]	16
Selenoprotein F	[K].WNTDSVEEFLSEK.[L]	1×TMT6plex [K	10	Q9ERR7	0	2042.05	1021.53	-0.41	0.0	0.0	5.74	[146-158]	13
Methionine-R-sulfoxide reductase B1	[K].NRPEALK.[V]	1×TMT6plex [K	1	Q9JLC3	0	1285.80	429.27	-1.34	0.0	0.0	2.87	[62-68]	7
Selenoprotein K	[R].GYGSSSDSR.[Y]	1×TMT6plex [N	1	Q9JLJ1	0	1144.54	572.77	-0.58	0.0	0.0	2.73	[51-59]	9
Selenoprotein K	[K].TLLQQDVK.[K]	1×TMT6plex [K	2	Q9JLJ1	0	1402.87	701.94	-1.13	0.0	0.0	2.44	[40-47]	8
Thioredoxin reductase 2, mitochondrial	[KR].WGLGGTCVNVGCIPK.[K]	2×Carbamidom	9	Q9JLT4	0	2076.11	1038.56	-2.30	0.0	0.0	4.41	[167-181]	15
Thioredoxin reductase 2, mitochondrial	[KR].WGLGGTCVNVGCIPK.[K]	2×Carbamidom	9	Q9JLT4	0	2076.11	1038.56	-2.30	0.0	0.0	4.41	[80-94]	15
Thioredoxin reductase 2, mitochondrial	[K].AGISTNPK.[N]	1×TMT6plex [K	4	Q9JLT4	0	1245.76	623.38	-0.05	0.0	0.0	2.75	[330-337]	8
Thioredoxin reductase 2, mitochondrial	[K].ASFVDEHTVR.[G]	1×TMT6plex [N	2	Q9JLT4	0	1389.73	463.92	-0.26	0.0	0.0	3.74	[159-168]	10
Thioredoxin reductase 2, mitochondrial	[R].DASQCYIK.[M]	1×Carbamidom	1	Q9JLT4	0	1442.77	721.89	-1.33	0.0	0.0	3.00	[442-449]	8
Thioredoxin reductase 2, mitochondrial	[K].EAAQLGK.[K]	1×TMT6plex [K	3	Q9JLT4	0	1174.72	587.86	-0.47	0.0	0.0	2.96	[57-63]	7
Thioredoxin reductase 2, mitochondrial	[K].GCVPSHIK.[K]	1×Carbamidom	1	Q9JLT4	0	1355.79	678.40	8.52	0.8	1.0	1.72	[278-285]	8
Thioredoxin reductase 2, mitochondrial	[K].LMHQAALLGGMIR.[D]	1×TMT6plex [N	1	Q9JLT4	0	1639.93	547.32	-1.01	0.0	0.0	3.30	[96-108]	13
Thioredoxin reductase 2, mitochondrial	[K].VAVADYVEPSPR.[G]	1×TMT6plex [N	2	Q9JLT4	0	1531.83	511.28	0.05	0.8	1.0	0.98	[65-76]	12
Thioredoxin reductase 1, cytoplasmic	[K].CDYDNVPTTVFTPLEYGCCGLSEEK.[A]	3×Carbamidom	5	Q9JMH6	0	3412.58	1138.19	-2.48	0.0	0.0	5.93	[479-503]	25
Thioredoxin reductase 1, cytoplasmic	[K].EYCISSDDLFSLPYCPGK.[T]	2×Carbamidom	1	Q9JMH6	0	2609.27	870.43	-2.30	0.1	0.9	2.83	[289-306]	18
Thioredoxin reductase 1, cytoplasmic	[R].FLIATGERPR.[Y]	1×TMT6plex [N	6	Q9JMH6	0	1388.82	463.61	-1.24	0.0	0.0	3.78	[271-280]	10
Thioredoxin reductase 1, cytoplasmic	[R].GFDQDMANK.[I]	1×TMT6plex [K	14	Q9JMH6	0	1483.76	742.38	-1.16	0.0	0.0	3.49	[341-349]	9
Thioredoxin reductase 1, cytoplasmic	[K].KLMHQAALLGQALK.[D]	2×TMT6plex [K	4	Q9JMH6	1	2209.38	737.13	0.03	0.0	0.0	3.14	[182-195]	14
Thioredoxin reductase 1, cytoplasmic	[K].KVVYENAYGR.[F]	1×TMT6plex [K	10	Q9JMH6	1	1656.95	552.99	-0.44	0.0	0.0	3.39	[238-247]	10
Thioredoxin reductase 1, cytoplasmic	[K].LELTPVAIQAGR.[L]	1×TMT6plex [N	10	Q9JMH6	0	1496.90	499.64	-0.72	0.0	0.0	4.04	[454-465]	12
Thioredoxin reductase 1, cytoplasmic	[K].IEQIEAGTPGR.[L]	1×TMT6plex [N	12	Q9JMH6	0	1399.77	467.26	-0.45	0.0	0.0	3.65	[370-380]	11
Thioredoxin reductase 1, cytoplasmic	[K].IGEHMEEHGIK.[F]	1×TMT6plex [K	10	Q9JMH6	0	1737.94	435.24	-0.42	0.0	0.0	4.52	[350-360]	11
Thioredoxin reductase 1, cytoplasmic	[K].IICNLKDDER.[V]	1×Carbamidom	1	Q9JMH6	1	1733.96	867.48	-1.16	0.0	0.0	2.83	[539-548]	10
Thioredoxin reductase 1, cytoplasmic	[K].LMHQAALLGQALK.[D]	1×TMT6plex [K	7	Q9JMH6	0	1852.12	926.56	-1.56	0.0	0.0	5.95	[183-195]	13
Thioredoxin reductase 1, cytoplasmic	[K].IPVTDEEQTNVPYIYAIGDILEGK.[L]	1×TMT6plex [K	15	Q9JMH6	0	3135.69	1045.90	-1.62	0.0	0.0	6.51	[430-453]	24
Thioredoxin reductase 1, cytoplasmic	[R].IVATNNK.[G]	1×TMT6plex [K	8	Q9JMH6	0	1217.76	609.38	-1.02	0.0	0.0	2.43	[254-260]	7
Thioredoxin reductase 1, cytoplasmic	[R].LYGGSNVK.[C]	1×TMT6plex [K	11	Q9JMH6	0	1295.77	648.39	-2.14	0.0	0.0	2.86	[471-478]	8
Thioredoxin reductase 1, cytoplasmic	[K].MTESVQSHIGSLNWGYR.[V]	1×TMT6plex [N	5	Q9JMH6	0	2194.09	732.03	-0.65	0.0	0.0	5.65	[215-231]	17
Thioredoxin reductase 1, cytoplasmic	[R].TIGLETVGVK.[I]	1×TMT6plex [K	8	Q9JMH6	0	1474.92	737.97	-0.26	0.4	0.9	0.57	[413-422]	10
Thioredoxin reductase 1, cytoplasmic	[K].VLVLDFVTPTPLGTR.[W]	1×TMT6plex [N	11	Q9JMH6	0	1857.10	929.05	-1.34	0.0	0.0	4.81	[152-166]	15
Thioredoxin reductase 1, cytoplasmic	[R].VTAQSTNSEETIEGEFNTVLLAVGR.[D]	1×TMT6plex [N	7	Q9JMH6	0	2894.49	965.50	-1.03	0.0	0.0	5.85	[383-407]	25
Thioredoxin reductase 1, cytoplasmic	[R].VVGFHVLGPNAGEVTQGFAAALK.[C]	1×TMT6plex [K	6	Q9JMH6	0	2740.56	914.19	-0.38	0.0	0.0	7.40	[549-571]	23
Thioredoxin reductase 1, cytoplasmic	[K].VVYENAYGR.[F]	1×TMT6plex [N	4	Q9JMH6	0	1299.69	650.35	-0.82	0.0	0.0	3.24	[239-247]	9
Thioredoxin reductase 1, cytoplasmic	[R].YLGIPGDK.[E]	1×TMT6plex [K	5	Q9JMH6	0	1320.79	660.90	-0.54	0.0	0.0	2.05	[281-288]	8
Thioredoxin reductase 1, cytoplasmic	[R].YLGIPGDKEYCISSDDLFSLPYCPGK.[T]	2×Carbamidom	4	Q9JMH6	1	3681.88	1227.96	-0.27	0.0	0.0	5.82	[281-306]	26