

Table S2 Position of Sec, ligands name and binding residues of chicken selenoproteome.

Selenoproteins in <i>Gallus gallus</i>	Lignd name in PDB	Position of Sec in proteins	Ligand binding residues
GPx1	POP	39	150, 151, 155, 168, 169, 170, 171
GPx2	POP	41	126, 151, 152, 156, 169, 170, 171, 172
GPx3	POP	71	156, 157, 177, 178, 182, 195, 196, 197, 198
GPx4	POP	46	128, 129, 134, 135, 139, 152, 153, 154, 155
	PER		49, 50, 51, 52, 140
DIO1	PER	124	123, 125, 126, 127, 212
DIO2	3DRNA00	132, 265	131, 132, 133, 134, 163, 164, 226
DIO3	GSH	138	137, 138, 140, 227
TrxR1	FAD	498	18, 19, 21, 22, 23, 41, 42, 43, 44, 57, 58, 59, 61, 62, 63, 64, 68, 130, 131, 132, 160, 161, 162, 180, 201, 293, 296, 333, 334, 341, 342, 343, 344, 346, 375
TrxR2	FAD	517	35, 36, 38, 39, 40, 58, 59, 60, 61, 74, 75, 76, 78, 79, 80, 81, 85, 147, 148, 149, 177, 178, 179, 198, 219, 312, 315, 352, 353, 360, 361, 362, 363, 365, 394
TrxR3	FAD	605	125, 126, 128, 129, 130, 148, 149, 150, 151, 164, 165, 166, 168, 169, 170, 171, 175, 237, 238, 239, 267, 268, 269, 287, 308, 400, 403, 440, 441, 448, 449, 450, 451, 453, 482
SelW	Zn ²⁺	13	10, 13
Sep15	Zn ²⁺	91	47, 50, 65, 68
SelM	Zn ²⁺	37	34, 37
SelO	Mg ²⁺	650	314, 323
SelU	ACT	85	81, 85, 86, 87, 88
MsrB1	Zn ²⁺	93	23, 26, 69, 72
	RSM		64, 77, 78, 80, 91, 93, 94

POP: Pyrophosphate²⁻

3DRN: Bcp1 in *Sulfolobus solfataricus*

FAD: Flavin-adenine dinucleotide

RSM: (2S)-2-(acetylamino)-N-methyl-4-[(R)-methylsulfinyl]butanamide

PER: Peroxide ion

GSH: Glutathione

ACT: Acetate ion