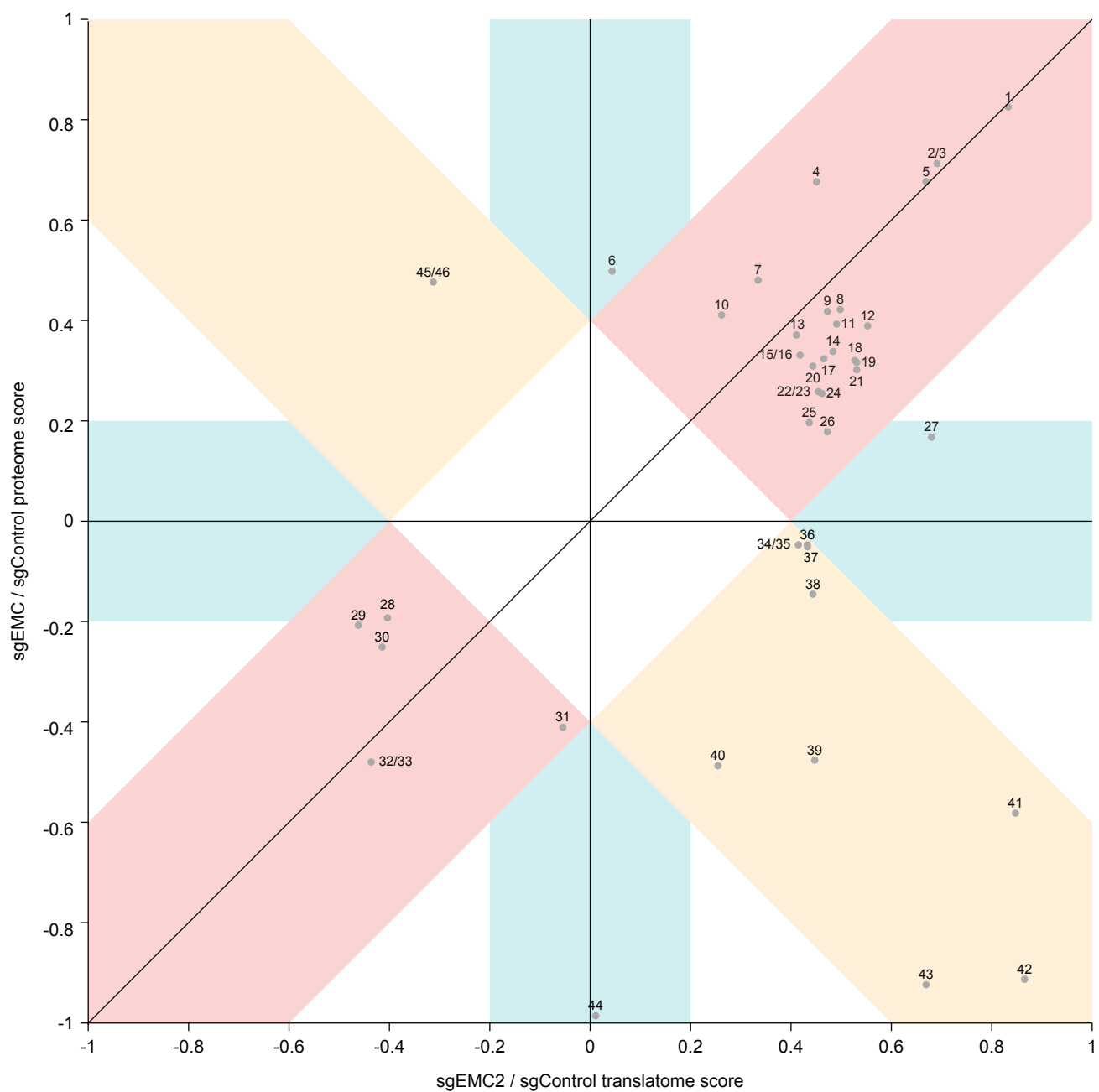


Figure 5 - supplement 1



#	Type	Size	P value	Names	#	Type	Size	P value	Names
1	GOMF	9	1.7E-04	collagen binding	24	GOBP	103	3.7E-09	glycosylation
2	GOMF	14	7.3E-05	intramolecular oxidoreductase activity, transposing S-S bonds	25	GOBP	45	3.0E-04	oligosaccharide metabolic process
3	GOMF	14	7.3E-05	protein disulfide isomerase activity	26	GOBP	50	4.2E-05	ER to Golgi vesicle-mediated transport
4	GOBP	18	1.8E-04	nucleotide-sugar metabolic process	27	GOCC	23	6.4E-05	endoplasmic reticulum-Golgi intermediate compartment membrane
5	GOMF	15	8.3E-05	intramolecular oxidoreductase activity, interconverting keto- and enol-groups	28	GOBP	68	3.9E-05	DNA conformation change
6	GOBP	36	1.7E-04	cellular response to biotic stimulus	29	GOBP	40	3.1E-04	DNA modification
7	GOBP	33	2.8E-04	regulation of protein secretion	30	GOBP	49	2.0E-04	chromatin assembly or disassembly
8	GOCC	74	1.8E-09	endoplasmic reticulum lumen	31	GOBP	73	1.4E-05	mitochondrial translational elongation
9	GOBP	33	1.0E-04	vesicle coating	32	GOBP	30	1.5E-04	DNA strand elongation
10	GOBP	51	1.5E-04	antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent	33	GOBP	30	1.5E-04	DNA strand elongation involved in DNA replication
11	GOBP	39	2.7E-05	cell redox homeostasis	34	GOBP	101	2.8E-08	establishment of protein localization in endoplasmic reticulum
12	GOCC	43	1.6E-06	endoplasmic reticulum-Golgi intermediate compartment	35	GOBP	101	2.8E-08	protein targeting to ER
13	GOBP	94	1.1E-08	response to endoplasmic reticulum stress	36	GOBP	96	1.6E-08	SRP-dependent cotranslational protein targeting to membrane
14	GOBP	34	2.1E-04	oligosaccharide biosynthetic process	37	GOBP	97	1.0E-08	cotranslational protein targeting to membrane
15	GOBP	62	6.8E-06	cellular response to unfolded protein	38	GOCC	26	8.0E-04	SNARE complex
16	GOBP	62	6.8E-06	endoplasmic reticulum unfolded protein response	39	GOBP	14	3.0E-04	glycosphingolipid metabolic process
17	GOCC	42	6.9E-05	integral to endoplasmic reticulum membrane	40	GOCC	25	6.8E-05	proton-transporting two-sector ATPase complex
18	GOBP	73	9.0E-09	peptidyl-asparagine modification	41	GOMF	6	2.1E-04	organic acid:sodium symporter activity
19	GOBP	72	1.0E-08	protein N-linked glycosylation via asparagine	42	GOMF	4	1.9E-04	serine-type carboxypeptidase activity
20	GOCC	43	1.2E-04	intrinsic to endoplasmic reticulum membrane	43	GOBP	5	1.7E-04	keratan sulfate catabolic process
21	GOBP	73	9.1E-09	protein N-linked glycosylation	44	GOCC	9	1.2E-04	ER membrane protein complex
22	GOBP	101	8.8E-09	macromolecule glycosylation	45	GOCC	29	6.8E-06	actin filament bundle
23	GOBP	101	8.8E-09	protein glycosylation	46	GOCC	29	6.8E-06	stress fiber