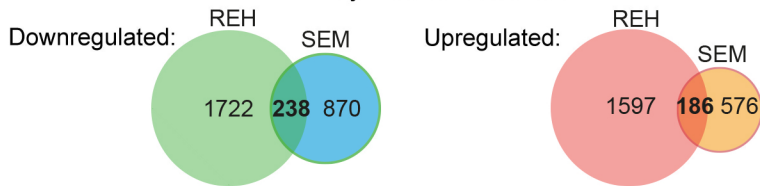


A Common deregulated genes in both REH and SEM by IRAK1/4 inhibitor



B

Downregulated:

Category	Description	LogP	Log(q-value)
Hallmark Gene Sets	HALLMARK MITOTIC SPINDLE	-9.29572	-5.225
GO Biological Processes	cell-substrate adhesion	-9.1068	-5.225
GO Biological Processes	actin filament-based process	-7.20368	-3.535
GO Biological Processes	positive regulation of GTPase activity	-6.78185	-3.389

Upregulated:

Category	Description	LogP	Log(q-value)
GO Biological Processes	serine family amino acid metabolic process	-21.12089	-17.231
GO Biological Processes	PERK-mediated unfolded protein response	-6.694574	-4.155

D Gene ontology of SEM-specific downregulated genes by both IRAK inhibitors

Category	Term	Description	LogP	Log(q-value)
GO Biological Processes	GO:0001775	cell activation	-12.85271	-8.67015
GO Biological Processes	GO:0007229	integrin-mediated signaling pathway	-8.653644	-5.425329
GO Biological Processes	GO:0031589	cell-substrate adhesion	-8.528502	-5.410795
GO Biological Processes	GO:0071363	cellular response to growth factor stimulus	-8.264287	-5.227858
GO Biological Processes	GO:0008284	positive regulation of cell proliferation	-7.611808	-4.771673
GO Biological Processes	GO:0002684	positive regulation of immune system process	-7.374484	-4.623291
GO Biological Processes	GO:0030029	actin filament-based process	-6.874054	-4.182858
KEGG Pathway	hsa05202	transcriptional misregulation in cancer	-7.336477	-4.601078
Hallmark Gene Sets	M5890	HALLMARK TNFA SIGNALING VIA NFKB	-8.573492	-5.410795
Hallmark Gene Sets	M5947	HALLMARK IL2 STAT5 SIGNALING	-7.655786	-4.795448

