

**Supplementary table 6: Top DGCA intermodular pairs unique to Type 2 patients**

mod1	mod2	mod1.annot	mod2.annot	-/0	+/0	0/-	0/+	type1.ttls	type2.ttls
6.36.230	10.159.372	Monocyte. response.to.virus	Platelet. wound.healing	10	20	91	58	30	149
6.40.252	10.159.372	inflammatory.response,L-type.voltage-gated.calcium.channel.complex	Platelet. wound.healing	37	58	104	24	95	128
3.15.175	10.159.374	Neutrophil. cell.activation.involved.in.immune.response	system.process,protein.heterodimerization.activity	45	27	71	117	72	188
6.36.230	10.159.374	Monocyte. response.to.virus	system.process,protein.heterodimerization.activity	28	24	41	114	52	155
2.11.162	10.159.374	Plasma-Cell. response.to.unfolded.protein	system.process,protein.heterodimerization.activity	7	14	134	12	21	146
6.37.239	10.159.374	Rho.GTPase.binding,Rac.GTPase.binding	system.process,protein.heterodimerization.activity	7	12	83	45	19	128
6.36.235	10.159.374	transferase.activity,transferring.hexosyl.groups,protein.glycosylation	system.process,protein.heterodimerization.activity	31	20	66	56	51	122
5.23.222	2.11.161	B.cells. extracellular.matrix.organization	Plasma-Cell. organic.substance.metabolic.process	99	6	13	316	105	329
7.49.272	2.11.161	cytosol,RNA.binding	Plasma-Cell. organic.substance.metabolic.process	6	42	128	28	48	156
6.36.235	2.11.161	transferase.activity,transferring.hexosyl.groups,protein.glycosylation	Plasma-Cell. organic.substance.metabolic.process	9	32	84	59	41	143
5.23.222	2.11.162	B.cells. extracellular.matrix.organization	Plasma-Cell. response.to.unfolded.protein	37	12	63	564	49	627
7.49.272	2.11.162	cytosol,RNA.binding	Plasma-Cell. response.to.unfolded.protein	19	110	135	29	129	164
6.36.235	2.11.162	transferase.activity,transferring.hexosyl.groups,protein.glycosylation	Plasma-Cell. response.to.unfolded.protein	9	43	104	53	52	157
6.36.230	3.18.209	Monocyte. response.to.virus	cell.diff,polymeric.cytoskeletal.fiber	128	61	213	46	189	259
6.36.230	3.19.210	Monocyte. response.to.virus	GTPase.regulator.activity,interleukin-18-mediated.signaling.pathway	20	9	62	73	29	135
6.36.230	3.19.212	Monocyte. response.to.virus	interleukin-1.receptor.activity,interleukin-1-mediated.signaling.pathway	16	9	100	42	25	142
7.49.271	5.22.218	stem.cell.population.maintenance,maintenance.of.cell.numbe	B.cells. cytokinesis	5	38	102	25	43	127