

Category	Data Type	Timepoint	Enrichment In OA Treatment	Name	GO Terms	Delta Rank	P	P (adj)
Biological Process	Gene Expression	9	Depleted	signal transduction	GO:0007165	-192	1.80E-05	0.005823561243
Biological Process	Gene Expression	9	Enriched	biosynthetic process	GO:1901576;GO:0044249;GO:0009058	235	1.33E-05	0.005823561243
Biological Process	Gene Expression	9	Enriched	cellular nitrogen compound metabolic process *	GO:0006725;GO:0034641;GO:0046483;GO:1901360	164	0.000194445933	0.03150024115
Biological Process	Gene Expression	9	Depleted	G protein-coupled receptor signaling pathway	GO:0007186	-227	0.0001550382624	0.03150024115
Biological Process	Gene Expression	9	Enriched	DNA metabolic process *	GO:0006259	336	0.0002573695933	0.03335509929
Biological Process	Gene Expression	80	Depleted	macromolecule modification	GO:0006464;GO:0036211;GO:0043412	-374	3.01E-12	1.95E-09
Biological Process	Gene Expression	80	Depleted	dephosphorylation	GO:0006470;GO:0016311	-523	4.87E-11	1.58E-08
Biological Process	Gene Expression	80	Depleted	phosphorus metabolic process	GO:0006796;GO:0006793	-288	7.97E-08	1.72E-05
Biological Process	Gene Expression	80	Enriched	DNA metabolic process *	GO:0006259	421	4.71E-06	0.0007633097416
Biological Process	Gene Expression	80	Depleted	protein metabolic process	GO:0044267;GO:0019538	-200	8.92E-06	0.001155821945
Biological Process	Gene Expression	80	Enriched	cellular nitrogen compound metabolic process *	GO:0006725;GO:0034641;GO:0046483;GO:1901360	178	5.05E-05	0.005448861451
Biological Process	Gene Expression	80	Enriched	DNA recombination	GO:0006310	532	0.0002274384933	0.02105430624
Biological Process	Gene Expression	80	Enriched	glutamine family amino acid metabolic process	GO:0009064	535	0.0003469837407	0.028105683
Biological Process	Gene Expression	80	Enriched	glutamate biosynthetic process	GO:0006537	1676	0.0006677688257	0.04428569579
Biological Process	Gene Expression	80	Enriched	dicarboxylic acid biosynthetic process	GO:0043650	1237	0.0006834212314	0.04428569579
Biological Process	Gene Expression	80	Enriched	macromolecule biosynthetic process	GO:0034645;GO:0009059	263	0.0008039278599	0.04735865939
Cellular Component	Gene Expression	9	Depleted	transcription factor complex *	GO:0005667	-147	9.65E-05	0.01698141246
Cellular Component	Gene Expression	9	Enriched	ribosome	GO:0005840	169	0.0004895997787	0.04308478053
Cellular Component	Gene Expression	9	Enriched	intracellular non-membrane-bounded organelle	GO:0043232;GO:0043228	139	0.0007731072936	0.04535562789
Cellular Component	Gene Expression	80	Depleted	transcription factor complex *	GO:0005667	-159	2.58E-05	0.004546880506
Cellular Component	Gene Expression	80	Depleted	protein-containing complex	GO:0032991	-105	0.0001753494172	0.01543074871
Cellular Component	DNA Methylation	9	Depleted	membrane	GO:0016020	-117	0.0003396120251	0.04890413161
Molecular Function	Gene Expression	80	Enriched	DNA binding	GO:0003677	352	0.0002838837139	0.02448497032
Molecular Function	Gene Expression	80	Enriched	RNA-DNA hybrid ribonuclease activity	GO:0004523	1320	0.0002831693171	0.02448497032
Molecular Function	Gene Expression	80	Enriched	oxidoreductase activity	GO:0016491	219	8.24E-05	0.02448497032
Molecular Function	Gene Expression	80	Enriched	oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen	GO:0016705	321	0.0001988233446	0.02448497032
Molecular Function	Gene Expression	80	Enriched	double-stranded DNA binding	GO:0003690	905	0.0007051442344	0.04865495217