

Table 1: CC Ontology for the positively correlated genes with the lowest p-values for expression correlations with COMT: Temporal Cortex

GOCCID	Pvalue	OddsRatio	ExpCount	Count	Size	Term
GO:1903561	0.00000000000000310	2.53	62.40	124	2437	extracellular vesicle
GO:0043230	0.00000000000000330	2.53	62.45	124	2439	extracellular organelle
GO:0070062	0.00000000000001136	2.49	61.94	122	2419	extracellular exosome
GO:0005739	0.000000000000207700	2.64	37.49	83	1464	mitochondrion
GO:0031982	0.000000000000339309	2.12	95.10	156	3714	vesicle
GO:0044421	0.00000000013627534	2.04	85.70	140	3347	extracellular region part
GO:0005615	0.00000000019985745	2.04	81.09	134	3167	extracellular space
GO:0005777	0.00000000098895570	7.21	3.00	18	117	peroxisome
GO:0042579	0.00000000098895570	7.21	3.00	18	117	microbody
GO:0044444	0.00000000165905568	1.90	206.05	263	8047	cytoplasmic part
GO:0005576	0.00000000291039640	1.89	100.81	153	3937	extracellular region
GO:0005737	0.00000002635815265	1.89	246.37	296	9622	cytoplasm
GO:0043227	0.00000003264694249	1.97	268.34	315	10480	membrane-bounded organelle
GO:0005759	0.00000012479341067	3.29	10.17	30	397	mitochondrial matrix
GO:0044438	0.00000014987789923	7.38	2.10	13	82	microbody part
GO:0044439	0.00000014987789923	7.38	2.10	13	82	peroxisomal part
GO:0044429	0.00000019329476291	2.44	22.40	49	875	mitochondrial part
GO:0043226	0.00000314173243080	1.83	288.11	325	11252	organelle
GO:0005782	0.00000346195472592	10.70	0.95	8	37	peroxisomal matrix
GO:0031907	0.00000346195472592	10.70	0.95	8	37	microbody lumen

GO:1904813	0.00002241772471762	4.83	2.79	12	109	ficolin-1-rich granule lumen
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