

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

GOCCID	Pvalue	OddsRatio	ExpCount	Count	Size	Term
GO:1903561	0.00000000000000024	2.87	50.50	109	2454	extracellular vesicle
GO:0043230	0.00000000000000026	2.86	50.54	109	2456	extracellular organelle
GO:0070062	0.00000000000000041	2.85	50.13	108	2436	extracellular exosome
GO:0031982	0.00000000000000048	2.61	77.01	142	3742	vesicle
GO:0044444	0.00000000000000071	2.72	166.92	235	8111	cytoplasmic part
GO:0005737	0.00000000000082354	2.65	199.46	256	9692	cytoplasm
GO:0044421	0.00000000000462783	2.32	69.60	123	3382	extracellular region part
GO:0005615	0.00000000001365252	2.30	65.71	117	3193	extracellular space
GO:0022626	0.00000000003209191	10.94	1.83	16	89	cytosolic ribosome
GO:0005925	0.00000000041329804	4.47	7.45	29	362	focal adhesion
GO:0005924	0.00000000050160335	4.43	7.51	29	365	cell-substrate adherens junction
GO:0005576	0.00000000063024476	2.08	81.64	131	3967	extracellular region
GO:0030055	0.00000000064722500	4.37	7.59	29	369	cell-substrate junction
GO:0005739	0.00000000096640907	2.55	30.44	66	1479	mitochondrion
GO:0005912	0.00000000743007459	3.69	9.51	31	462	adherens junction
GO:0044391	0.00000001137424763	6.43	3.07	17	149	ribosomal subunit
GO:0070161	0.00000001645334515	3.56	9.84	31	478	anchoring junction
GO:0043227	0.00000007580812769	2.11	216.35	257	10513	membrane-bounded organelle
GO:0005777	0.00000011204105717	6.79	2.39	14	116	peroxisome
GO:0042579	0.00000011204105717	6.79	2.39	14	116	microbody

GO:0005840	0.00000037951801002	4.92	3.89	17	189	ribosome
GO:0022627	0.00000042669800856	14.45	0.72	8	35	cytosolic small ribosomal subunit
GO:0044438	0.00000089695554239	7.61	1.69	11	82	microbody part
GO:0044439	0.00000089695554239	7.61	1.69	11	82	peroxisomal part
GO:0060205	0.00000103780239760	3.78	6.15	21	299	cytoplasmic vesicle lumen
GO:0031983	0.00000109537100170	3.77	6.17	21	300	vesicle lumen
GO:0044424	0.00000118366719758	2.24	246.36	278	11971	intracellular part
GO:1904813	0.00000201884371721	6.21	2.20	12	107	ficolin-1-rich granule lumen
GO:0005622	0.00000266376505129	2.25	251.46	281	12219	intracellular
GO:0043226	0.00000413155819343	1.97	232.41	265	11293	organelle
GO:0044445	0.00000507461644738	4.22	4.20	16	204	cytosolic part
GO:0022625	0.00000542197669699	9.74	0.99	8	48	cytosolic large ribosomal subunit
GO:0101002	0.00000653616342913	4.67	3.33	14	162	ficolin-1-rich granule
GO:0005829	0.00000675418085561	1.70	88.20	124	4286	cytosol
GO:0031410	0.00000702239309560	1.92	40.17	68	1952	cytoplasmic vesicle
GO:0034774	0.00000727934592799	3.56	5.87	19	285	secretory granule lumen
GO:0005782	0.00000730603142590	11.73	0.74	7	36	peroxisomal matrix
GO:0031907	0.00000730603142590	11.73	0.74	7	36	microbody lumen
GO:0097708	0.00000739825710331	1.92	40.23	68	1955	intracellular vesicle
GO:0031974	0.00000855933218583	1.68	90.43	126	4394	membrane-enclosed lumen
GO:0043233	0.00000855933218583	1.68	90.43	126	4394	organelle lumen
GO:0070013	0.00000855933218583	1.68	90.43	126	4394	intracellular organelle lumen
GO:0044429	0.00001172190490256	2.31	18.09	38	879	mitochondrial part
GO:0043231	0.00001242381406961	1.69	186.12	222	9044	intracellular membrane-bounded organelle

GO:0031012	0.00001512318364494	2.75	10.31	26	501	extracellular matrix
GO:0015935	0.00001543984996656	8.29	1.13	8	55	small ribosomal subunit
GO:0044446	0.00001862235060542	1.63	157.70	194	7663	intracellular organelle part
GO:0044422	0.00002494709163455	1.62	161.37	197	7841	organelle part
GO:0030141	0.00003842428730998	2.34	14.88	32	723	secretory granule
GO:0044433	0.00007278263433876	1.95	26.40	47	1283	cytoplasmic vesicle part
GO:0005759	0.00008622505548846	2.76	8.23	21	400	mitochondrial matrix
