

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

GOBPID	Pvalue	OddsRatio	ExpCount	Count	Size	Term
GO:0046467	0.00000000050985193	6.61	3.63	20	131	membrane lipid biosynthetic process
GO:0006643	0.00000000691787638	4.81	5.51	23	199	membrane lipid metabolic process
GO:0030148	0.00000004818610794	6.81	2.63	15	95	sphingolipid biosynthetic process
GO:0006665	0.00000025974052751	4.82	4.26	18	154	sphingolipid metabolic process
GO:0021782	0.00000107115898639	6.76	2.10	12	76	glial cell development
GO:0007272	0.00000128419746296	5.51	2.93	14	106	ensheathment of neurons
GO:0008366	0.00000128419746296	5.51	2.93	14	106	axon ensheathment
GO:0014003	0.00000309580027268	11.01	0.94	8	34	oligodendrocyte development
GO:0006629	0.00000358622490856	2.00	34.43	62	1244	lipid metabolic process
GO:0044255	0.00000370010220339	2.14	26.26	51	949	cellular lipid metabolic process
GO:0042552	0.00000514390561773	5.21	2.85	13	103	myelination
GO:0008610	0.00001507132631505	2.33	16.85	36	609	lipid biosynthetic process
GO:1901566	0.00005293845242072	1.73	46.46	73	1679	organonitrogen compound biosynthetic process
GO:0007422	0.00007971375122318	5.65	1.83	9	66	peripheral nervous system development