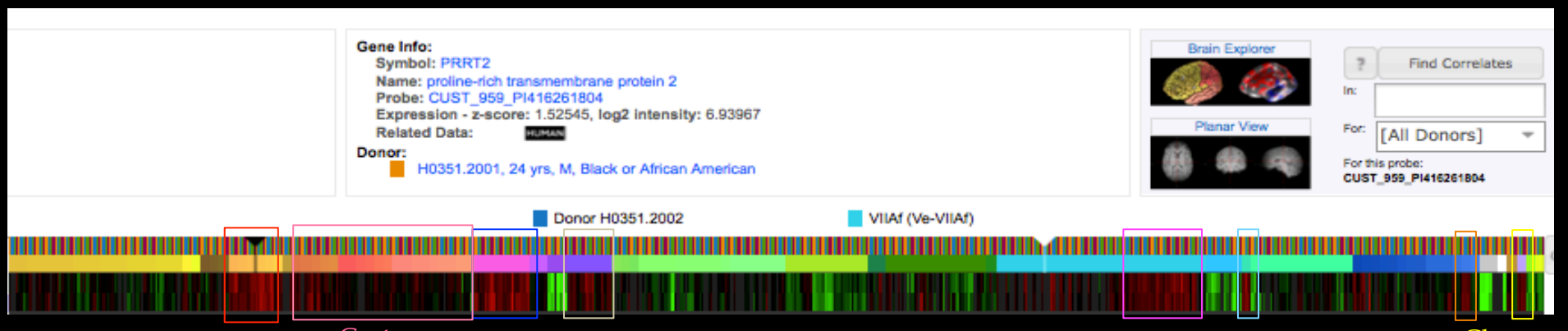
PRRT2

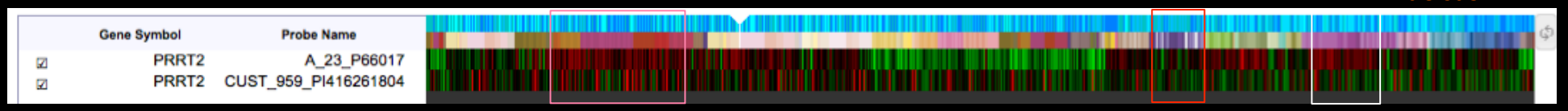
Proline-rich transmembrane protein 2

Adult Microarray



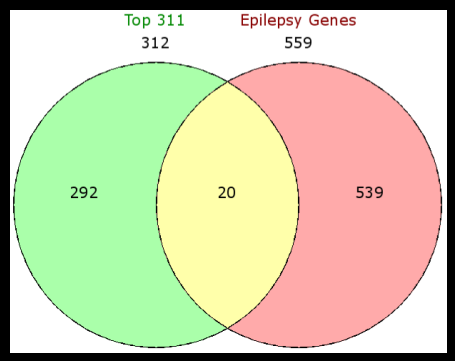
Hippocampus
Cortex
Amygdala
Caudate Nucleus
Cerebellum
Pontine nuclei
Spinal trigeminal nucleus
Claustrum

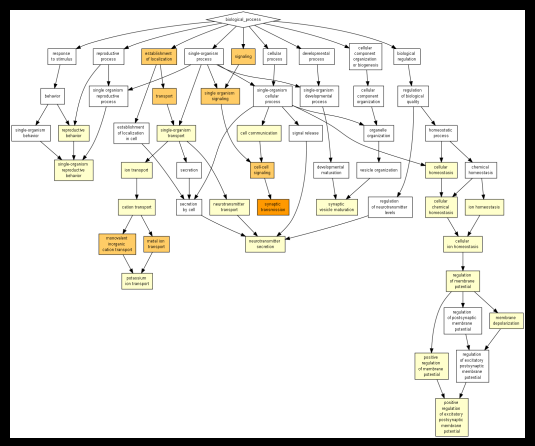
Prenatal Microarray

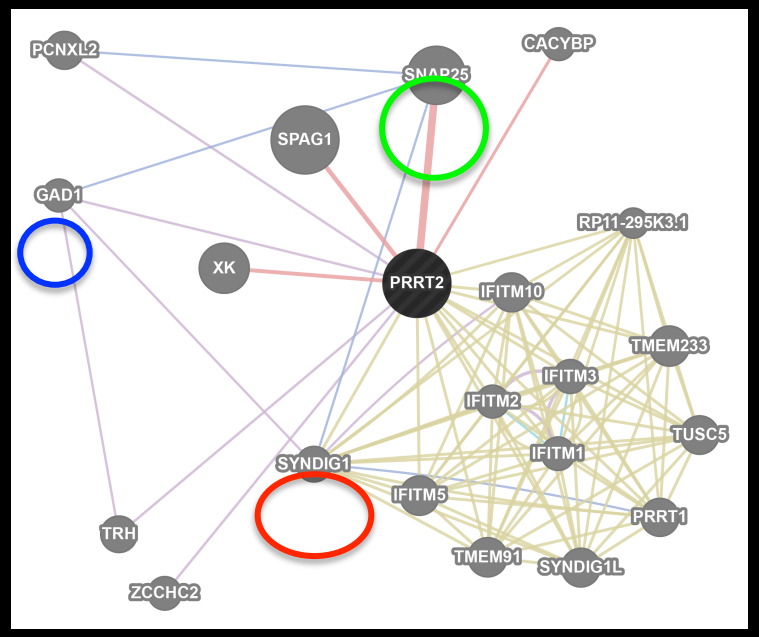


Cortex
Hippocampus
Thalamus

Co-expression Comparison with Epilepsy Genes

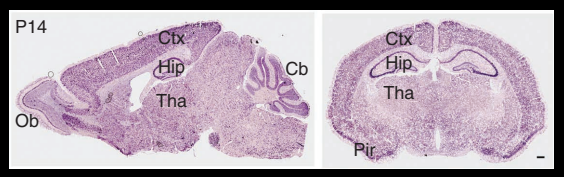


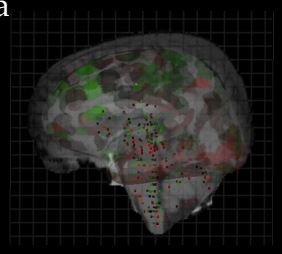




Conclusion

- Human expression parallels mouse data





- Large expression changes are observed between prenatal and adult
- Additional expression studies are required
- Areas of expression correlate with disorder phenotype.
- Based upon co-expression analysis PRRT2 appears to be involved in synaptic transmission or regulation.
- Co-expression analyses depend on informatics tool used.

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