

## Datasets for FACS proportional analysis

Lab/FACS library	Short Read Archive Accession
1. Pearson X1	SRR2009674
2. Pearson X1	SRR2009675
3. Pearson X2	SRR2009676
4. Pearson X2	SRR2009677
5. Pearson X1	SRR496276
6. Pearson X2	SRR496278
7. Pearson Xins	SRR496280
8. Rajewsky X1	
9. Rajewsky X2	
10. Rajewsky Xins	
11. Reddien X1	SRR1302023
12. Reddien X1	SRR1302024
13. Reddien X2	SRR1302025
14. Reddien X2	SRR1302026
15. Sanchez X1	SRR2407874
16. Sanchez X1	SRR2407875
17. Sanchez X1	SRR2407876
18. Sanchez X1	SRR2407877
19. Sanchez Xins	SRR2407878
20. Sanchez Xins	SRR2407879
21. Sanchez Xins	SRR2407880
22. Sanchez Xins	SRR2407881

### Paper references:

A mex3 homolog is required for differentiation during planarian stem cell lineage development. Zhu et al. (2015) ELife

A comparative transcriptomic analysis reveals conserved features of stem cell pluripotency in planarians and mammals. Labbe et al. (2012) Stem Cells

Gene expression of pluripotency determinants is conserved between mammalian and planarian stem cells Onal et al. (2012) EMBO J

Single-cell analysis reveals functionally distinct classes within the planarian stem cell compartment. Van Wolfsinkel et al. (2014) Cell Stem Cell.

Set1 and MLL1/2 Target Distinct Sets of Functionally Different Genomic Loci In Vivo. Duncan et al. (2015) Cell Reports

**Supplemental Figure 2:** A description of the 4 labs from which FACS RNA-seq datasets are available. Corresponding Short Read Archive accession numbers are highlighted with reference paper.