Supplemental Information for:

A chemical screen identifies class A G-protein coupled receptors as regulators of cilia

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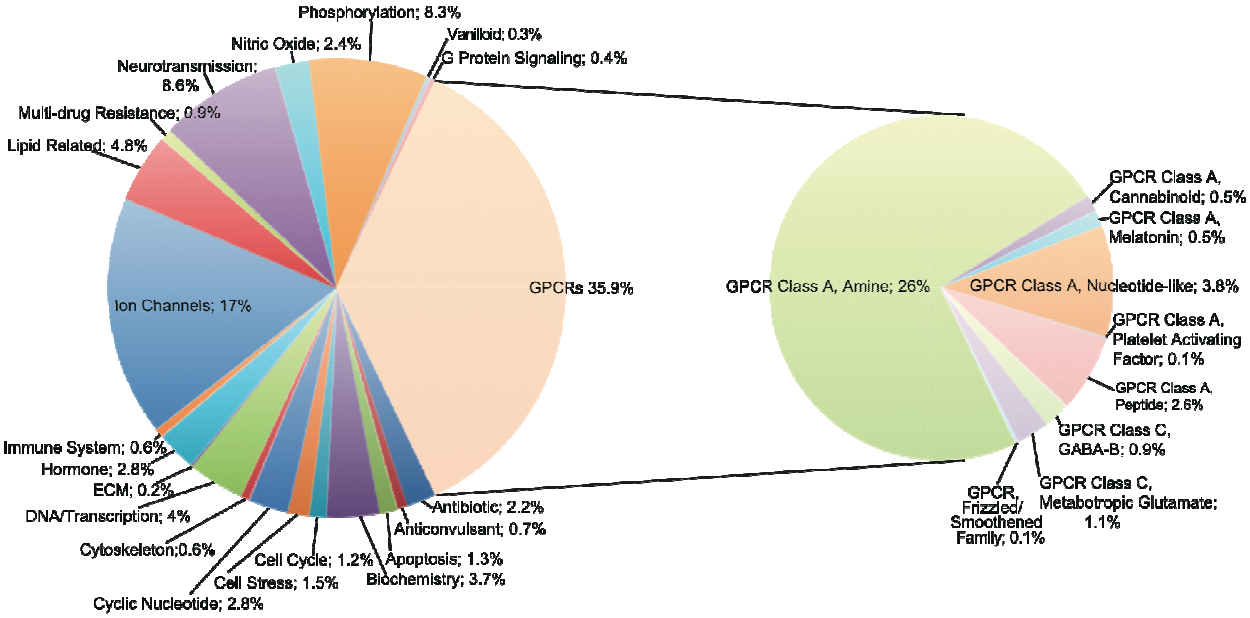
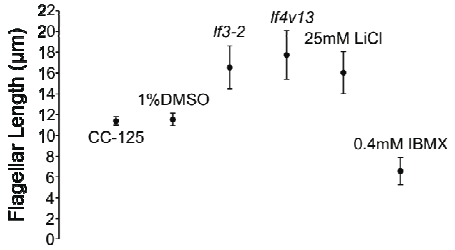
Supporting Figures:



Supplementary Figure 1 Distribution of drug targets in LOPAC1280 library



Supplementary Figure 2 Validation of method to identify changes in flagellar length at N=10. Compounds known to alter flagella length like IBMX and LiCl along with flagellar length mutants *lf3* and *lf4* have significantly altered flagellar length. Error bars are 95% confidence intervals.

Supporting Tables are in tabs of a single excel file entitled

"Avasthi_Marshall_Supporting_Tables_ACSCB":

Supplementary Table 1 Shortening Factors for All Compounds
Supplementary Table 2 Compounds Inducing Short Flagella
Supplementary Table 3 Compounds Resulting in Flagella-less Cells
Supplementary Table 4 Cytotoxic Compounds
Supplementary Table 5 Compounds Activating the Flagellar Autotomy Pathway
Supplementary Table 6 Compounds Clustered by Phenotypic Signature