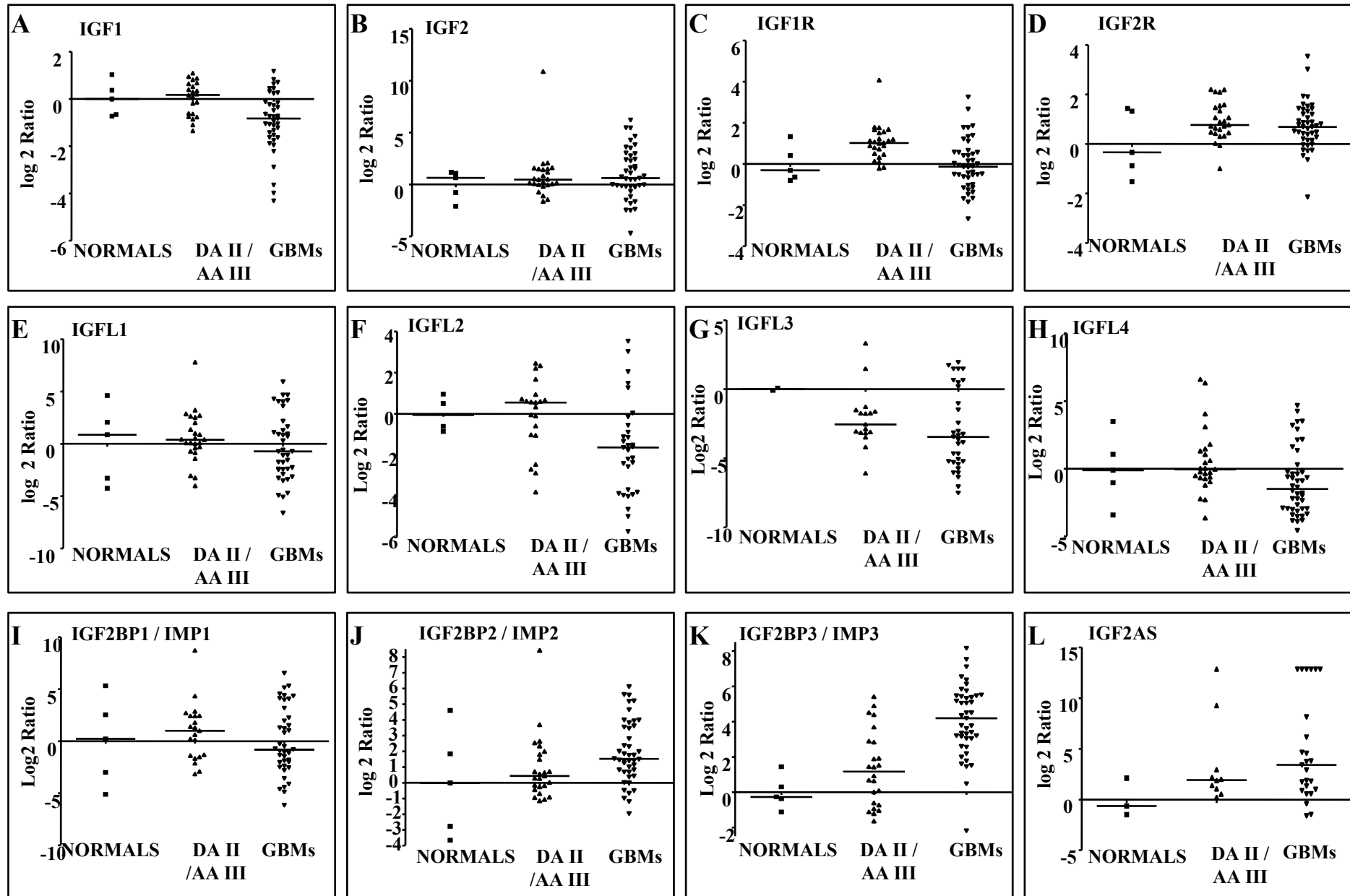


**Supplementary Table
and Figures (SF1-SF9)**

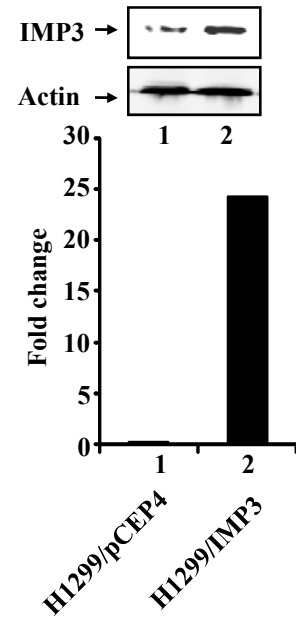
Significance analysis of differential regulation of IGF family members during glioma development*

S. No	Gene ID	ANOVA p value followed by Dunnet's Post hoc test	Normals vs DAI/AAIII	Normals vs GBMs	DAII/AAIII vs GBMs
1	IGF1	p=0.0033	NS	NS	**
2	IGF2	p=0.6460	NS	NS	NS
3	IGF1R	p=0.0009	NS	NS	***
4	IGF2R	p=0.1400	NS	NS	NS
5	IGF2BP1	p=0.6022	NS	NS	NS
6	IGF2BP2	p=0.0446	NS	NS	NS
7	IGF2BP3	p≤0.0001	NS	***	***
8	IGFL1	p=0.4773	NS	NS	NS
9	IGFL2	p=0.0161	NS	NS	*
10	IGFL3	p=0.2385	NS	NS	NS
11	IGFL4	p=0.0590	NS	NS	*
12	IGF2AS	p=0.2314	NS	NS	NS

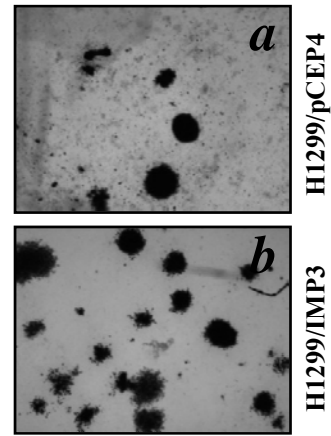
Log 2-transformed gene expression ratios obtained from RT-qPCR analysis of indicated samples were calculated for the transcript levels of the following genes - IGF-1, IGF-2, IGF-1R, IGF-2R, IGF2BP1, IGF2BP2, IGF2BP3/IMP3, IGF2AS, IGFL1, IGFL2, IGFL3, IGFL4. For each sample, fold change in gene expression is calculated over its mean expression in normal brain samples after normalization with six different internal reference genes - AGPAT, GARS, ATP5G1, GAPDH, ACTB and RPL35A. These log 2-transformed gene expression values were then subjected to one way analysis of variance (ANOVA) and a dunnet's post hoc test was carried out to test for significance. After analysis, no significant change in the transcript levels of the various IGF family members was found except for IGF2BP3/IMP3 which was significantly up regulated in the grade IV astrocytomas or glioblastomas compared to the normal brain samples and the grade II/grade III astrocytomas.



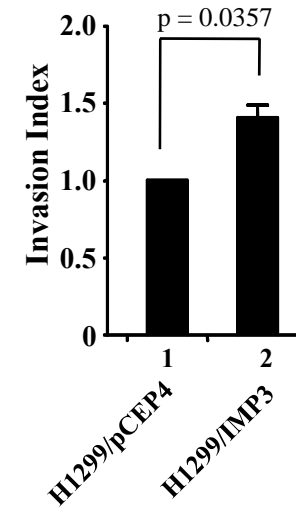
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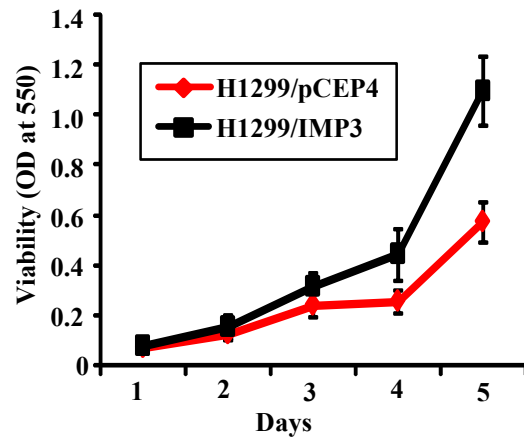
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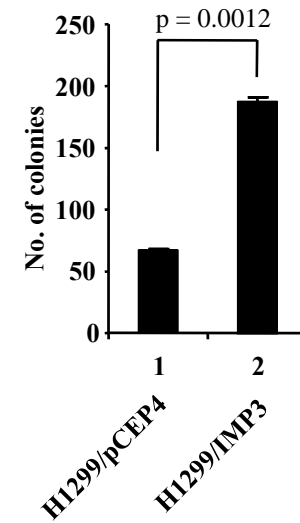
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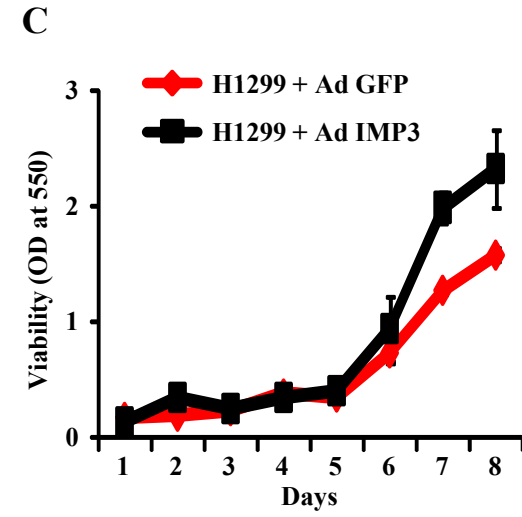
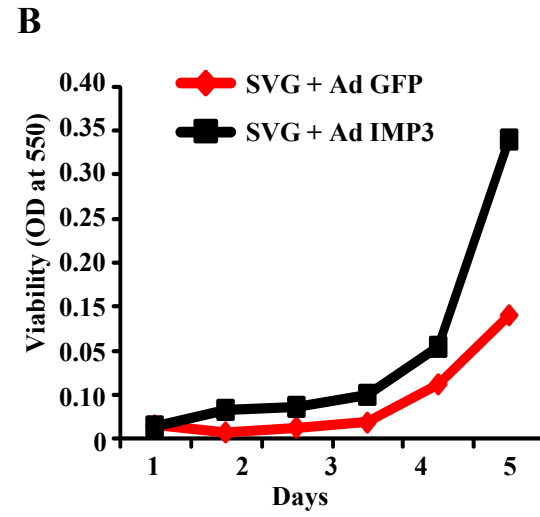
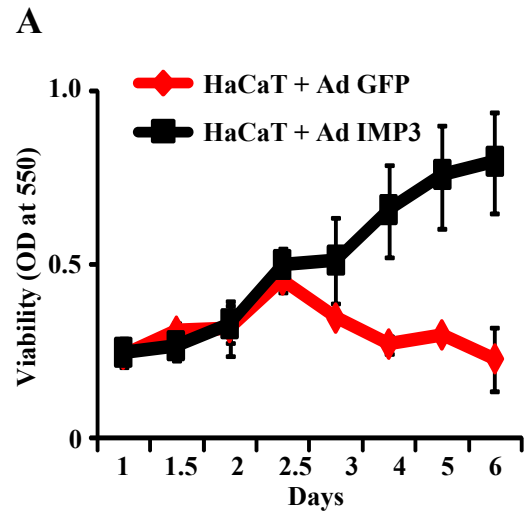


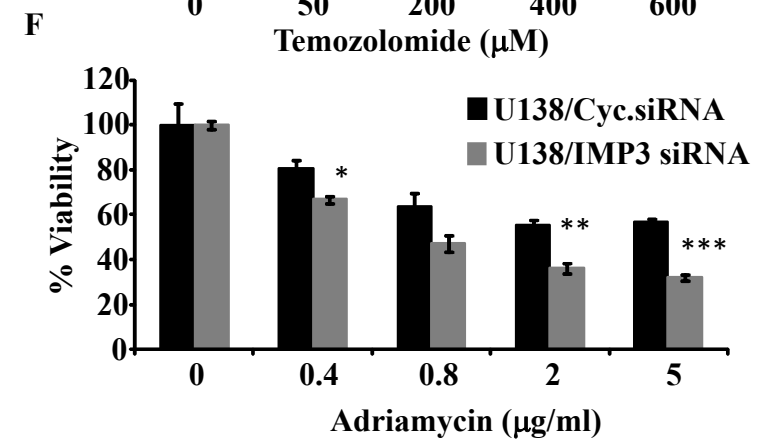
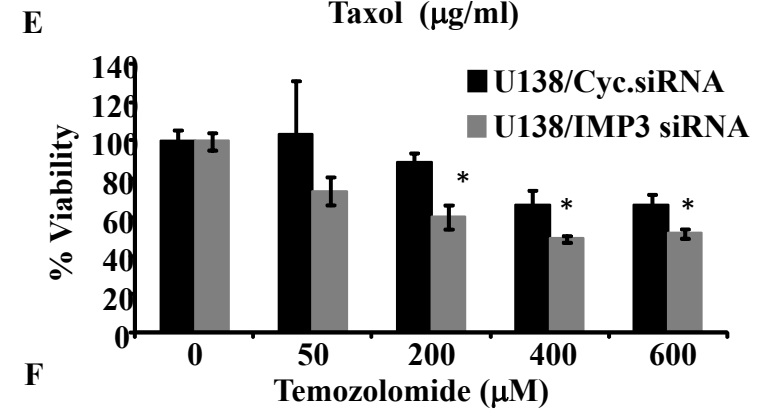
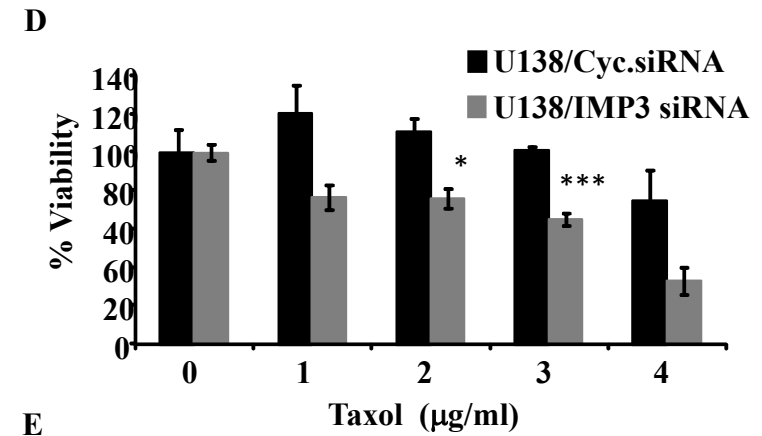
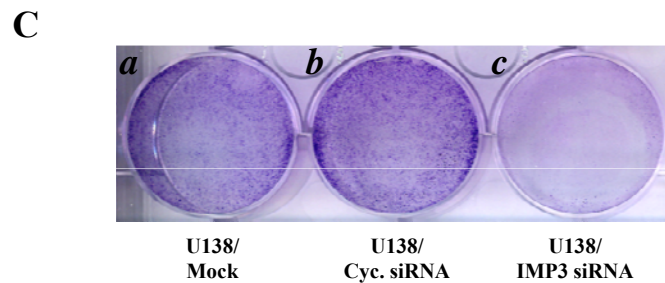
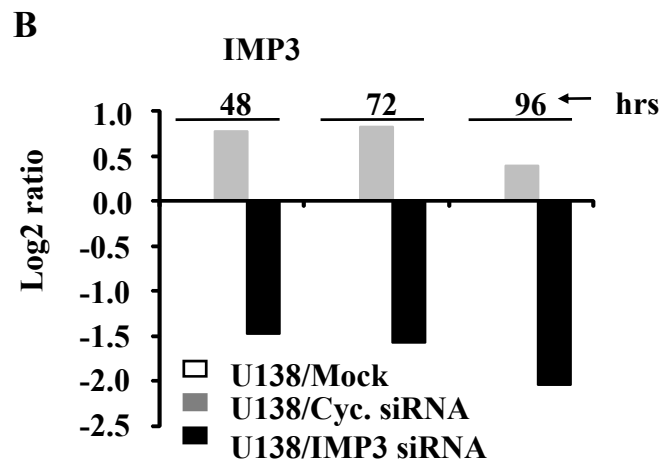
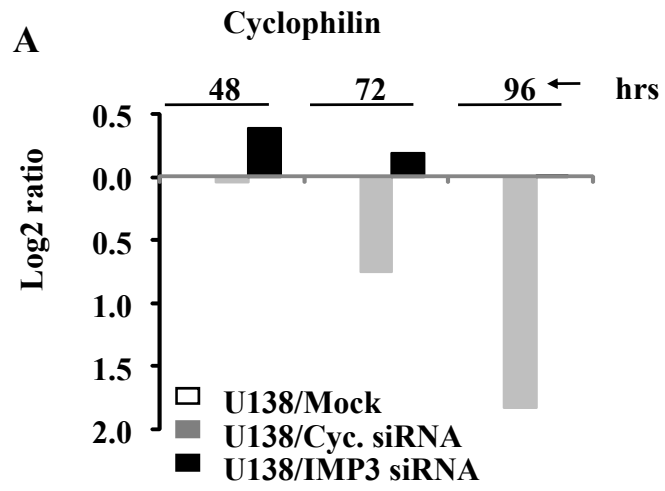
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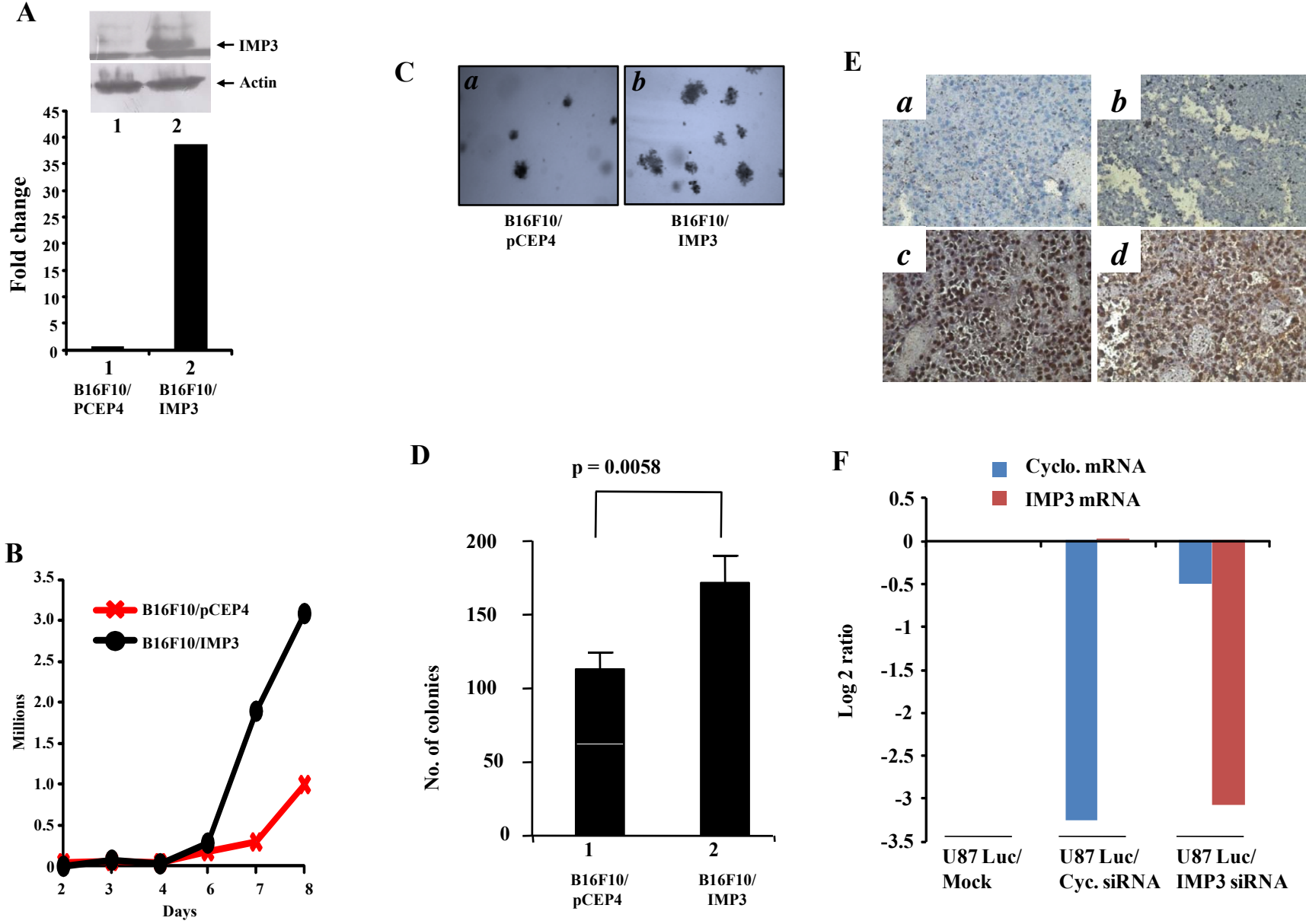


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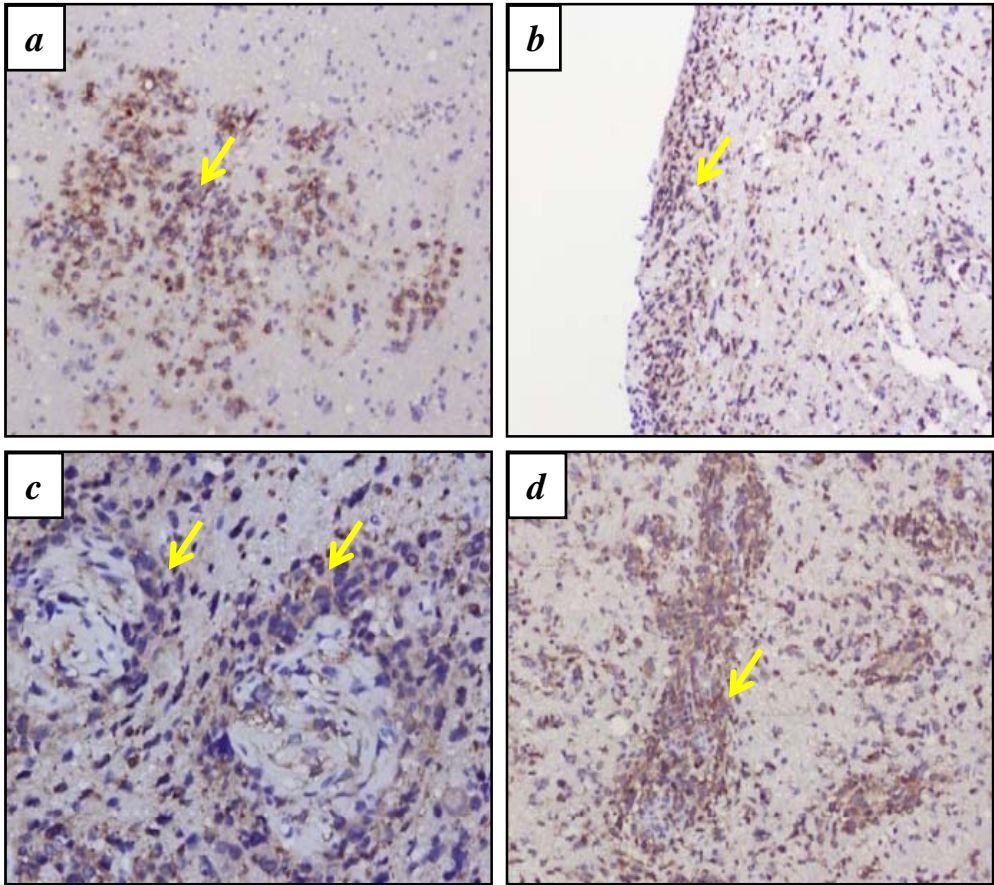




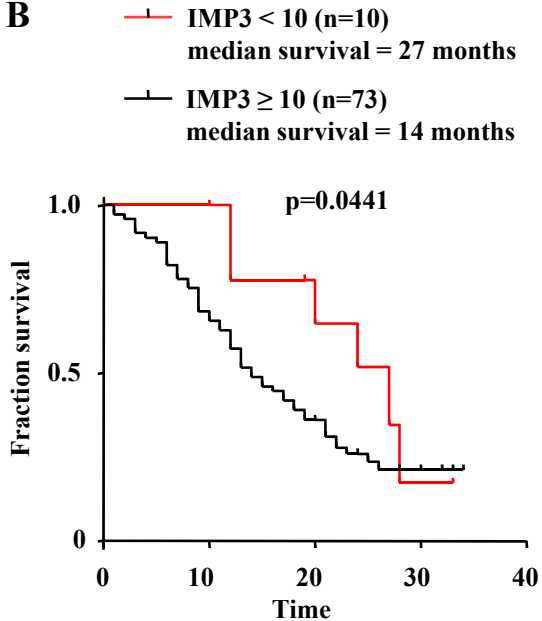


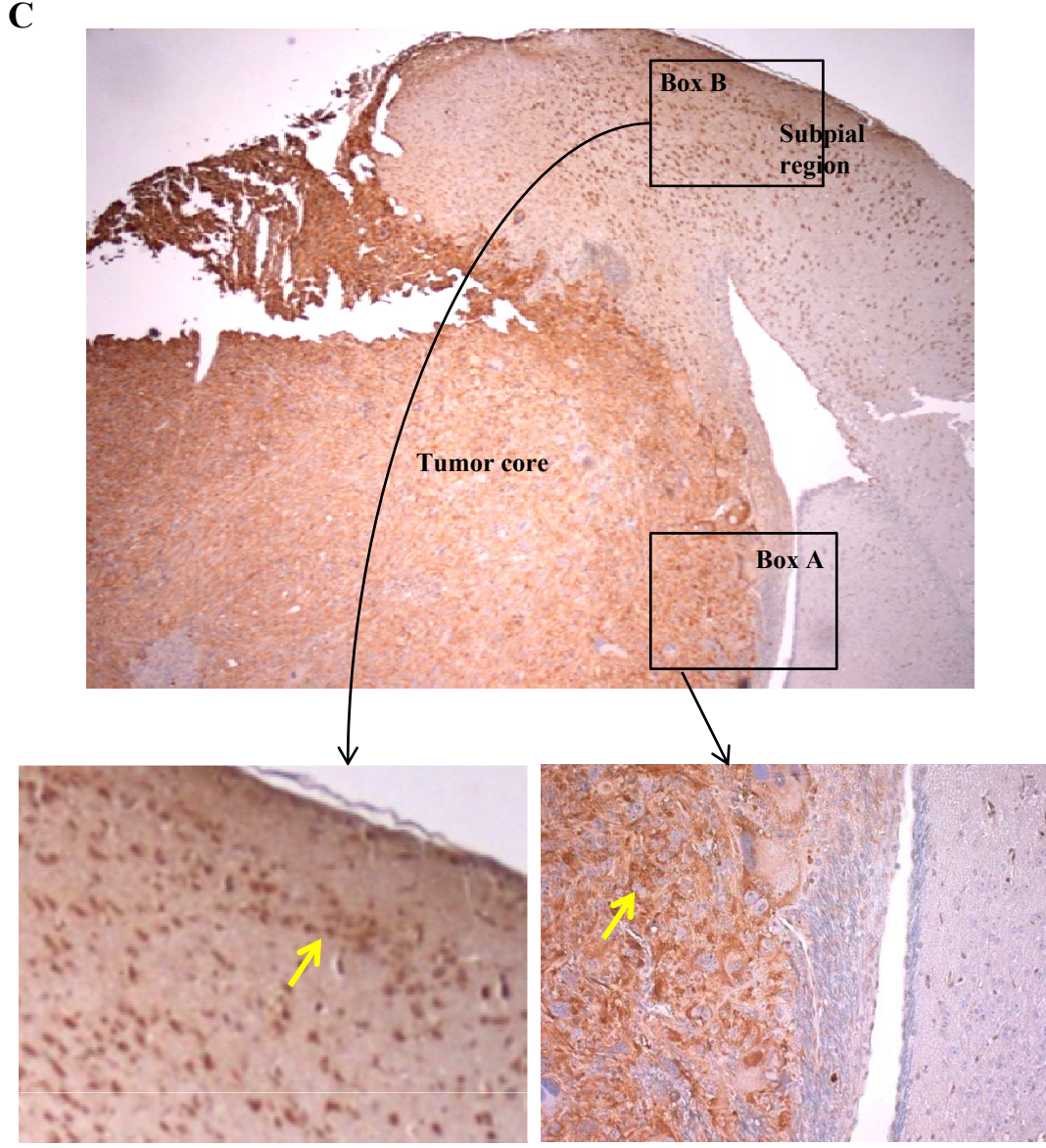
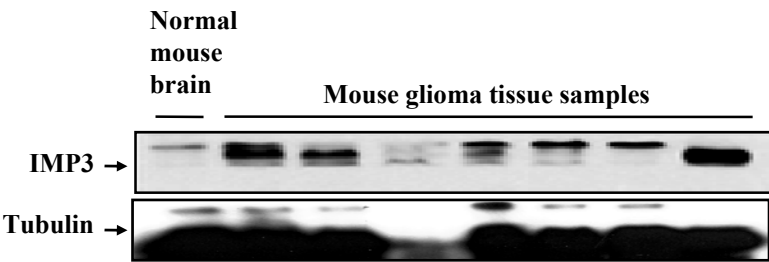
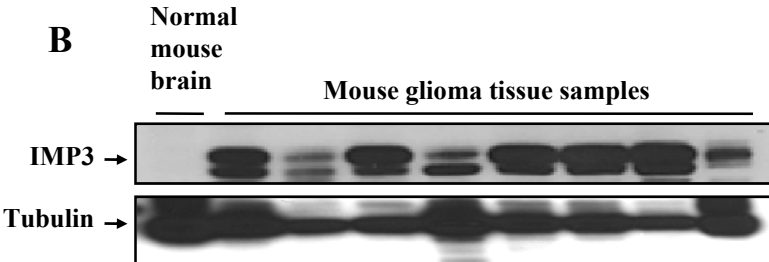
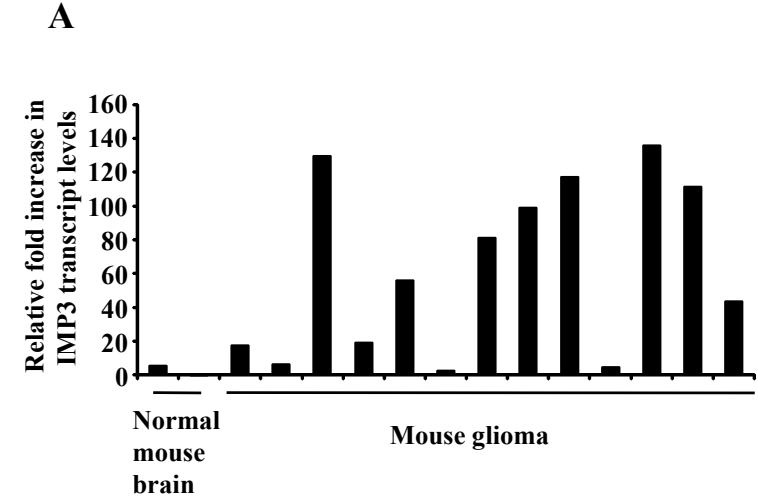


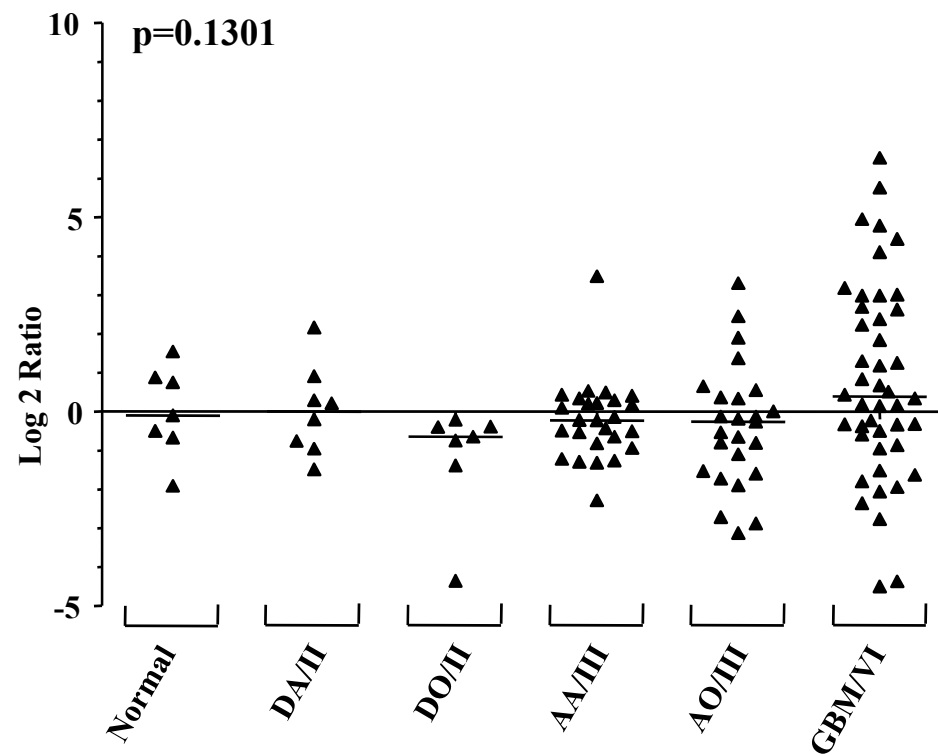
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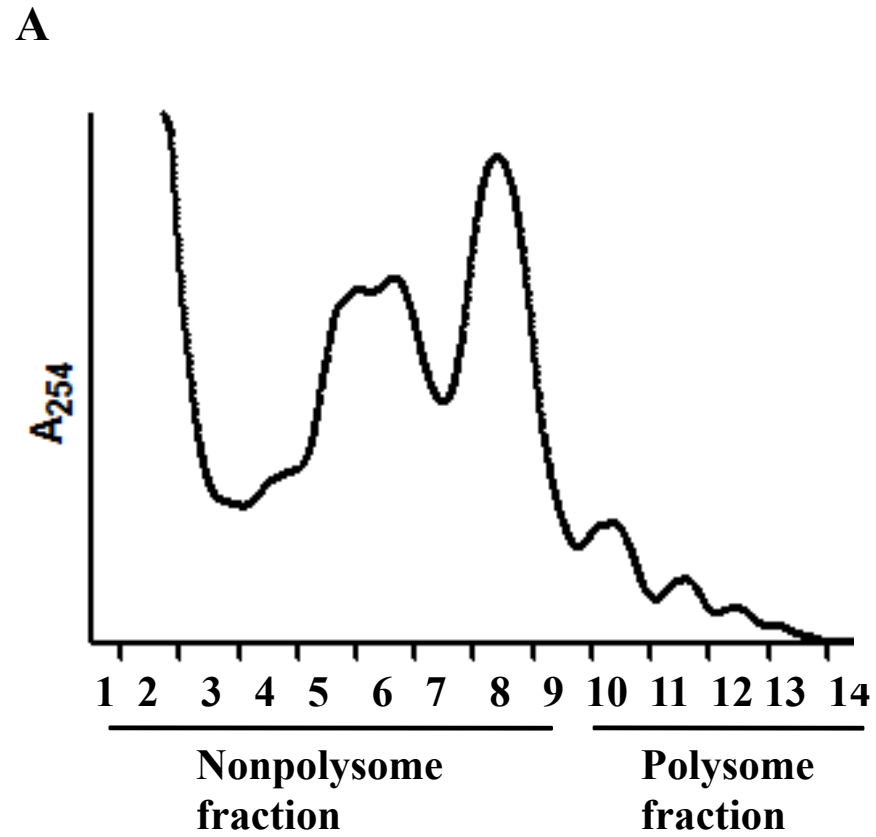


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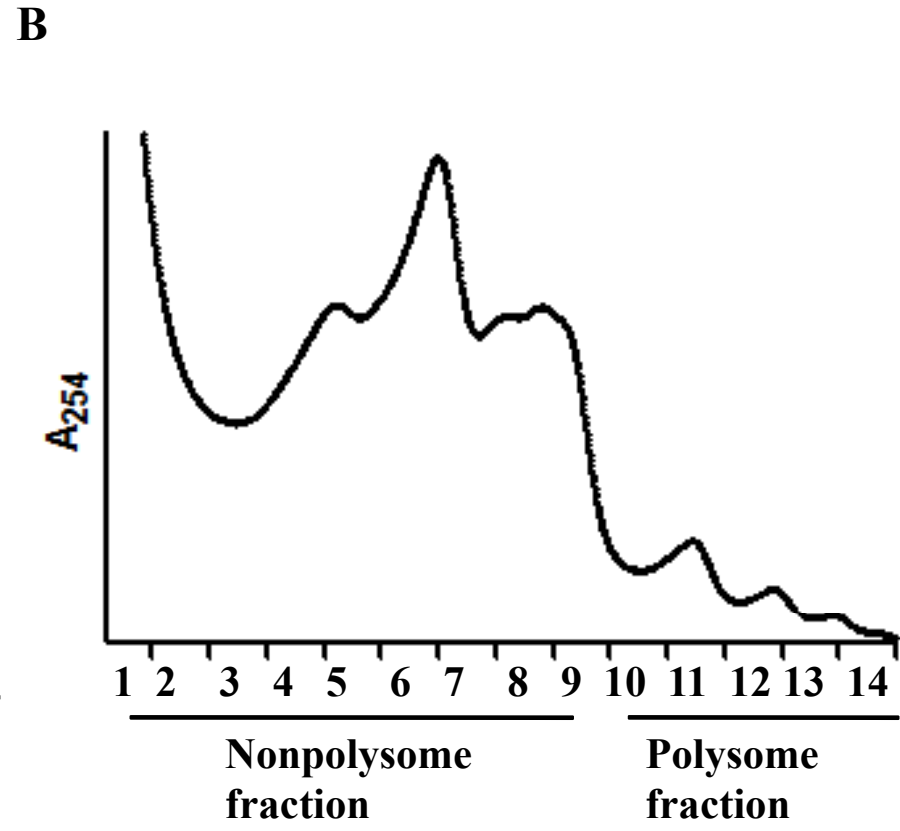








Cyclophilin siRNA



IMP3 siRNA