

Flight to LA : WGS

#notch

☒ *add*
~~data dict.~~

☐ genes relevant to NOTCH and TAGLN *are ...*

☐

☐ **paralogs** - Zhang 2020 NOTCH1 connection

LoFtool_scores.txt **#notch #paralog**

Gene	LoFtool_percentile
NIPBL	6.89E-05
SCN1A	1.38E-04
NOTCH1	2.07E-04

↑ constraint

↓ # mutations

vandal .xxx gene list

GeneHancer targets

Gene targets for GeneHancer:	SIDT2 ENSG00000254851 PAFAH1B2 APOA1 ENSG00000254678 APOA5 ZPR1 piR-39453 TAGLN	
Genomic Location:	chr11:117177670-117185049 (GRCh38/hg38)	chr11:117048386-117055765 (GRCh37/hg19)

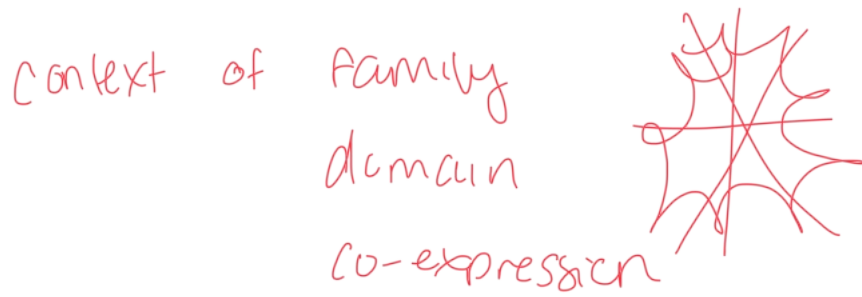
ref 41. Guichet PO, Guelfi S, Teigell M, Hoppe L, Bakalara N, Bauchet L, et al.

Notch1 stimulation induces a vascularization switch with pericyte-like cell differentiation of glioblastoma stem cells. Stem Cells. 2015;33(1):21–34.

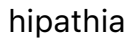
from Zhang, X., Yan, X., Cao, J. et al. **SM22α+** vascular mural cells are essential for vessel stability in tumors and undergo phenotype transition regulated by **Notch** signaling. J Exp Clin Cancer Res 39, 124 (2020). <https://doi.org/10.1186/s13046-020-01630-x>

- NOTCH signaling :down == SM22alpha ;UP
- there for, CAD12 may have more NOTCH DOWN which causes SM22 UP..

Context of TAGLN expression UP, look at always UP



have a
or
centrality
:
connecting



significant DOWN

Adherens_junction__hsa04520_.pdf

VEGF_signaling_pathway__hsa04370_.pdf

significant UP

Neurotrophin_signaling_pathway__hsa04722_.pdf

Neurotrophin_signaling_pathway__SH2B2_hsa04722_.pdf

Pathways_in_cancer__GLI1_hsa05200_.pdf

No Tags

Cell_cycle__hsa04110_.pdf

mTOR_signaling_pathway__hsa04150_.pdf

Notch_signaling_pathway__hsa04330_.pdf

Pathways_in_cancer__hsa05200_.pdf

PPAR_signaling_pathway__hsa03320_.pdf

Thyroid_hormone_signaling_CASP9_pathway__hsa04919_.pdf

Tight_junction__hsa04530_.pdf

Vascular_smooth_muscle_contraction__hsa04270_.pdf

pdf24_converted.zip

v1 DEApp2 and CADASIL all 3 overlap

LXR

KDM2B

LXR and RXR tags came from SM22alpha article notes shared with dad
EZH2

