HRAS

History

```
%%{init: { 'logLevel': 'debug', 'theme': 'dark' } }%%
timeline
    title Publication timing
      2017-07-27 : Jallades : MZL
      2017-10-10 : Reddy : DLBCL
```

Relevance tier by entity

Entity	Tier	Description
MZL	2	relevance in MZL not firmly established
DLBCL	2	relevance in DLBCL not firmly established

Mutation incidence in large patient cohorts (GAMBL reanalysis)

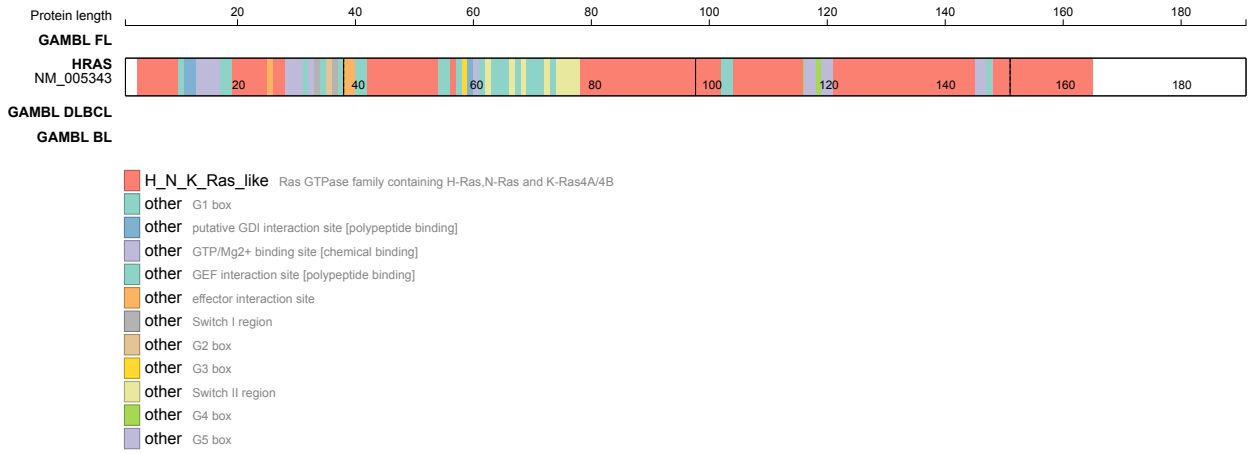
Entity	source	frequency (%)
DLBCL	GAMBL genomes	NA
DLBCL	Schmitz cohort	0.21
DLBCL	Reddy cohort	0.70
DLBCL	Chapuy cohort	0.43

Mutation pattern and selective pressure estimates

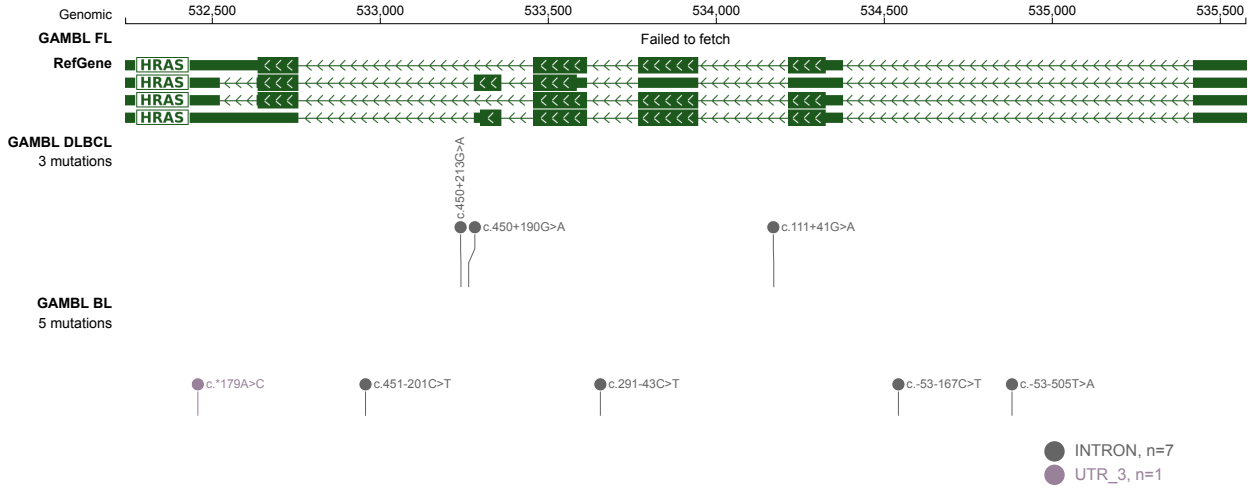
Entity	aSHM	Significant selection	dN/dS (missense)	dN/dS (nonsense)
BL	No	No	0	0
DLBCL	No	No	0	0
FL	No	No	0	0

> [!NOTE] First described in DLBCL in 2017 by Reddy A

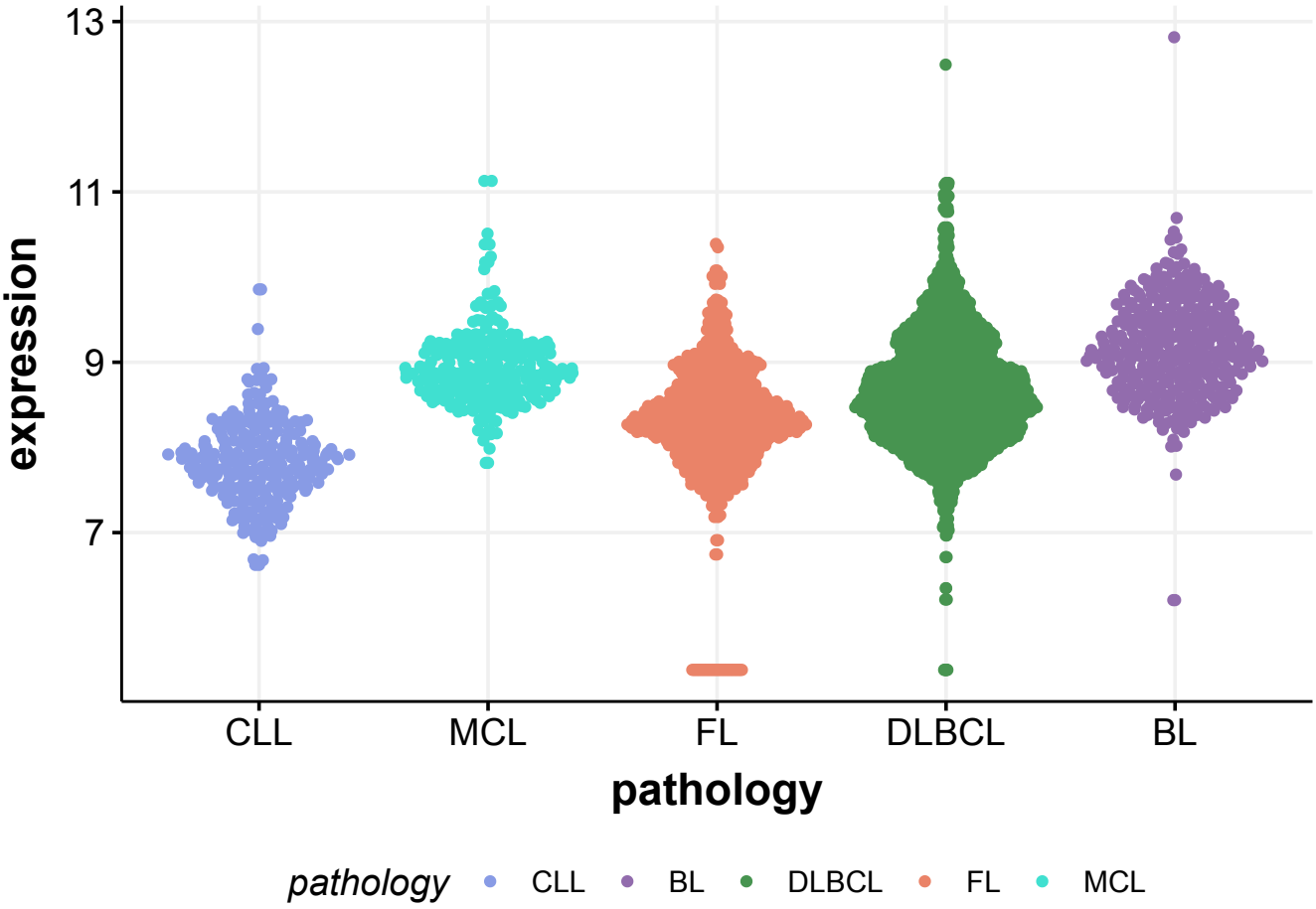
View coding variants in ProteinPaint hg19 or hg38



View all variants in GenomePaint hg19 or hg38



HRAS Expression



References

1. Jallades L, Baseggio L, Sujobert P, Huet S, Chabane K, Callet-Bauchu E, Verney A, Hayette S, Desvignes JP, Salgado D, Levy N, Béroud C, Felman P, Berger F, Magaud JP, Genestier L, Salles G, Traverse-Glehen A. Exome sequencing identifies recurrent BCOR alterations and the absence of KLF2, TNFAIP3 and MYD88 mutations in splenic diffuse red pulp small B-cell lymphoma. Haematologica. 2017 Oct;102(10):1758–1766. PMCID: PMC5622860
2. Reddy A, Zhang J, Davis NS, Moffitt AB, Love CL, Waldrop A, Leppa S, Pasanen A, Meriranta L, Karjalainen-Lindsberg ML, Nørgaard P, Pedersen M, Gang AO, Høgdall E, Heavican TB, Lone W, Iqbal J, Qin Q, Li G, Kim SY, Healy J, Richards KL, Fedoriw Y, Bernal-Mizrachi L, Koff JL, Staton AD, Flowers CR, Paltiel O, Goldschmidt N, Calaminici M, Clear A, Gribben J, Nguyen E, Czader MB, Ondrejka SL, Collie A, Hsi ED, Tse E, Au-Yeung RKH, Kwong YL, Srivastava G, Choi WWL, Evens AM, Pilichowska M, Sengar M, Reddy N, Li S, Chadburn A, Gordon LI, Jaffe ES, Levy S, Rempel R, Tzeng T, Happ LE, Dave T, Rajagopalan D, Datta J, Dunson DB, Dave SS. Genetic and Functional Drivers of Diffuse Large B Cell Lymphoma. Cell. 2017 Oct;171(2):481-494.e15.