



STAT5B

History

```
%%{init: { 'logLevel': 'debug', 'theme': 'dark' } }%%
timeline
  title Publication timing
    2013-01-01 : Zhang : DLBCL
    2018-05-31 : Tiacchi : PMBL
```

Relevance tier by entity

Entity	Tier	Description
 PMBL/HL	2	relevance in PMBL/cHL/GZL not firmly established
 DLBCL	2	relevance in DLBCL not firmly established

Mutation incidence in large patient cohorts (GAMBL reanalysis)

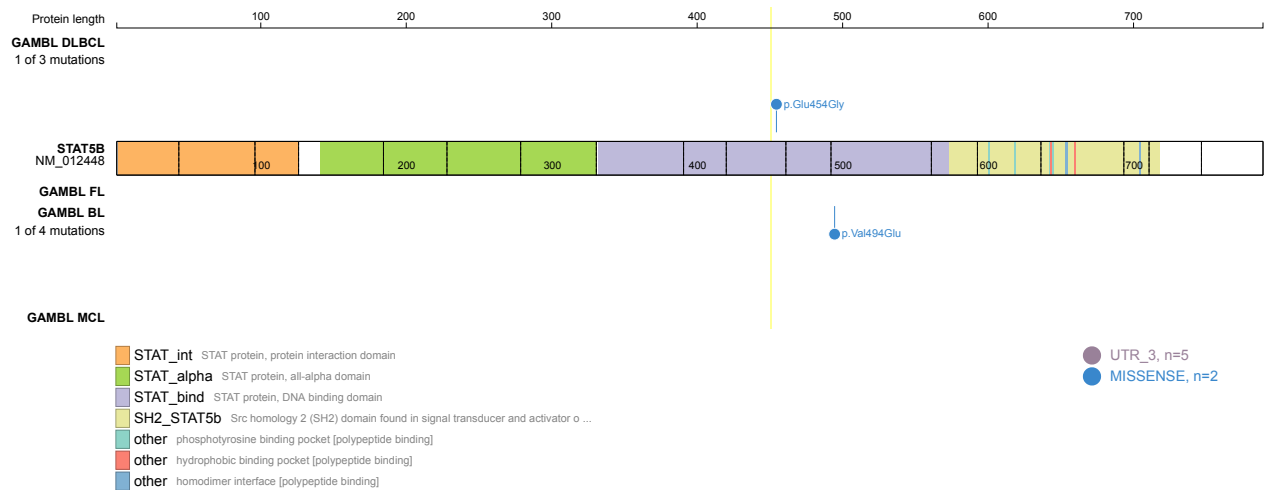
Entity	source	frequency (%)
DLBCL	GAMBL genomes	0.57
DLBCL	Schmitz cohort	0.43
DLBCL	Reddy cohort	1.60
DLBCL	Chapuy cohort	0.43

Mutation pattern and selective pressure estimates

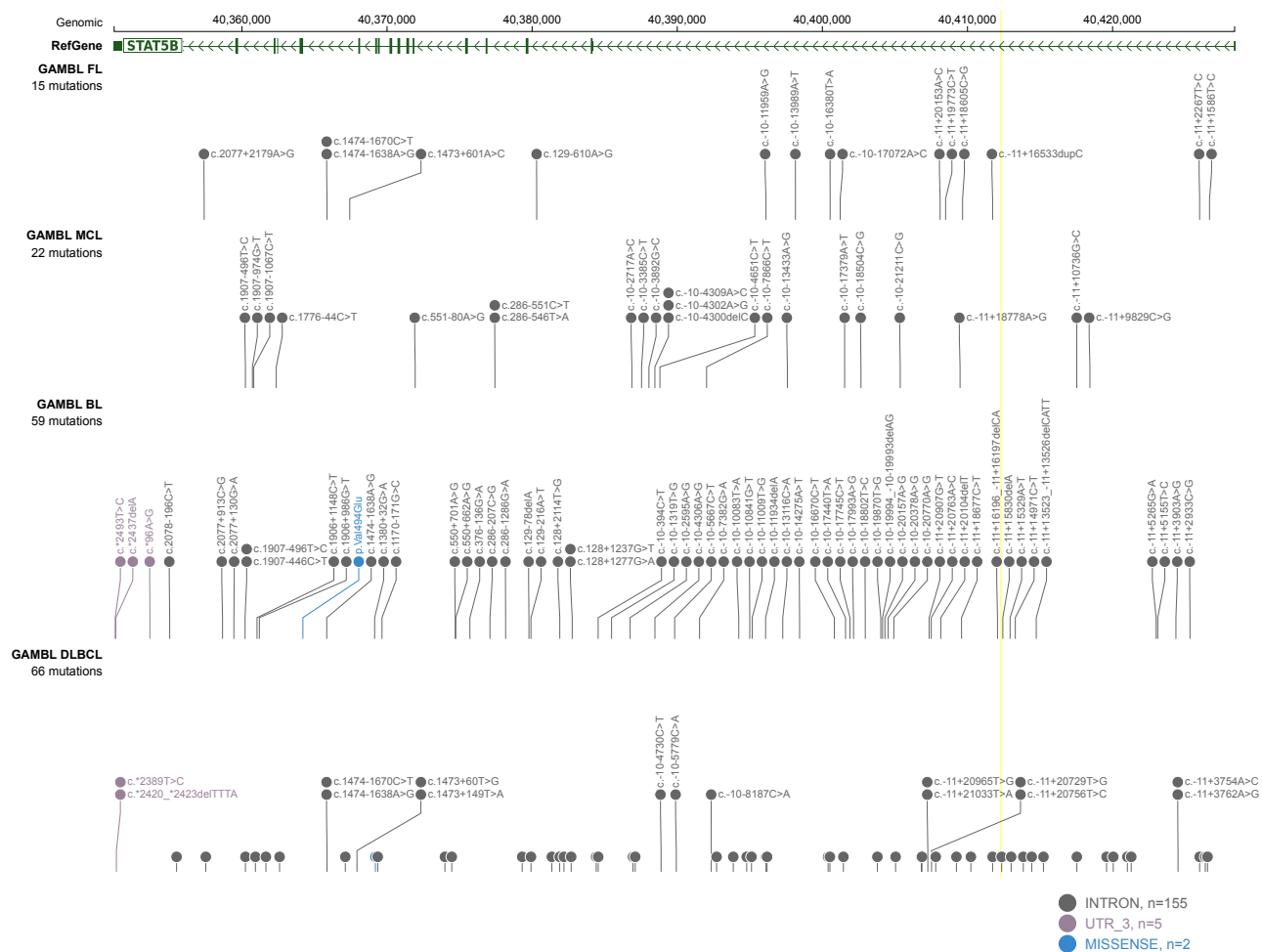
Entity	aSHM	Significant selection	dN/dS (missense)	dN/dS (nonsense)
BL	No	No	1.137	0
DLBCL	No	No	1.568	0
FL	No	No	0.000	0

[!NOTE] First described in DLBCL in 2013 by [Zhang J](#)

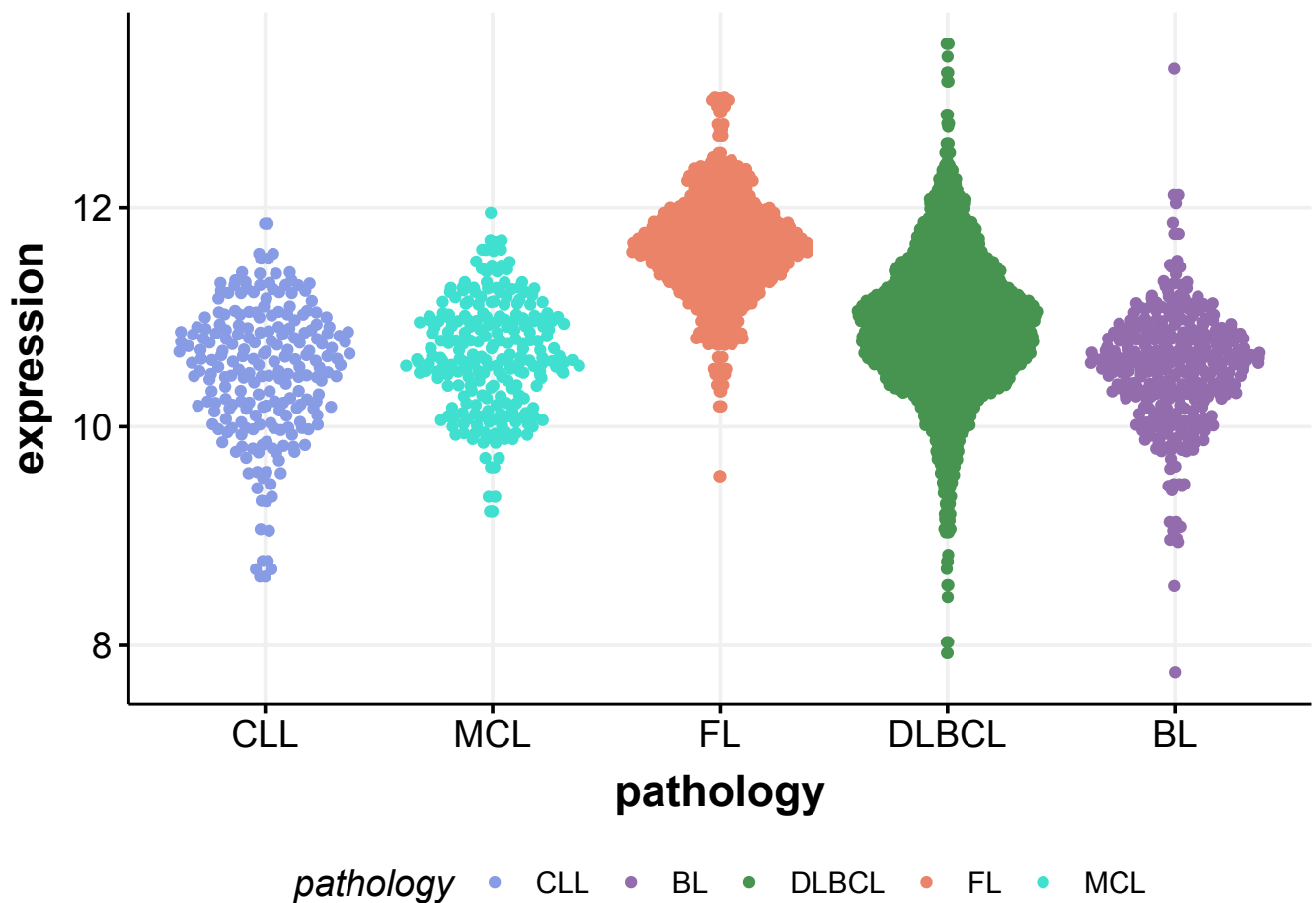
View coding variants in ProteinPaint [hg19](#) or [hg38](#)



View all variants in GenomePaint [hg19](#) or [hg38](#)



STAT5B Expression



References

1. Zhang J, Grubor V, Love CL, Banerjee A, Richards KL, Mieczkowski PA, Dunphy C, Choi W, Au WY, Srivastava G, Lugar PL, Rizzieri DA, Lagoo AS, Bernal-Mizrachi L, Mann KP, Flowers C, Naresh K, Evens A, Gordon LI, Czader M, Gill JI, Hsi ED, Liu Q, Fan A, Walsh K, Jima D, Smith LL, Johnson AJ, Byrd JC, Luftig MA, Ni T, Zhu J, Chadburn A, Levy S, Dunson D, Dave SS. Genetic heterogeneity of diffuse large B-cell lymphoma. 2013 Jan;
2. Tiacci E, Ladewig E, Schiavoni G, Penson A, Fortini E, Pettirossi V, Wang Y, Rosseto A, Venanzi A, Vlasevska S, Pacini R, Piattoni S, Tabarrini A, Pucciarini A, Bigerna B, Santi A, Gianni AM, Viviani S, Cabras A, Ascani S, Crescenzi B, Mecucci C, Pasqualucci L, Rabadan R, Falini B. Pervasive mutations of JAK-STAT pathway genes in classical Hodgkin lymphoma. Blood. 2018 May 31;131(22):2454–2465. PMID: PMC6634958