


# BMP7

## History

```
%%{init: { 'logLevel': 'debug', 'theme': 'dark' } }%%
timeline
  title Publication timing
    2019-09-26 : Panea : BL
```

## Relevance tier by entity

Entity	Tier	Description
 BL	1	high-confidence BL gene

## Mutation incidence in large patient cohorts (GAMBL reanalysis)

Entity	source	frequency (%)
BL	GAMBL genomes+capture	6.47
BL	Thomas cohort	8.90
BL	Panea cohort	5.00

## Mutation pattern and selective pressure estimates

Entity	aSHM	Significant selection	dN/dS (missense)	dN/dS (nonsense)
BL	No	Yes	5.863	16.044
DLBCL	No	No	6.236	10.787
FL	No	No	1.371	0.000

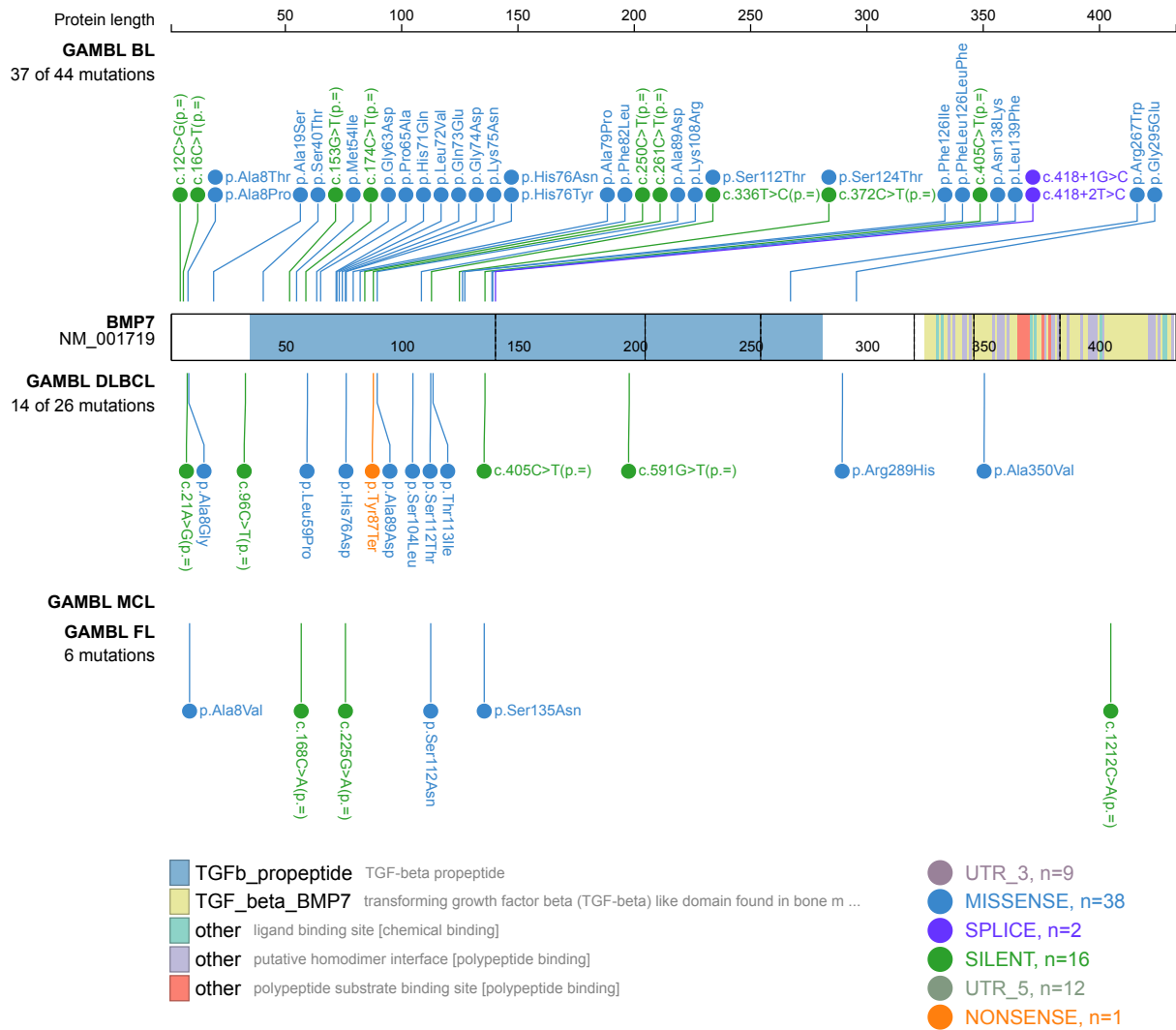
 [!NOTE] First described in BL in 2019 by [Panea RI](#)

## BMP7 Hotspots

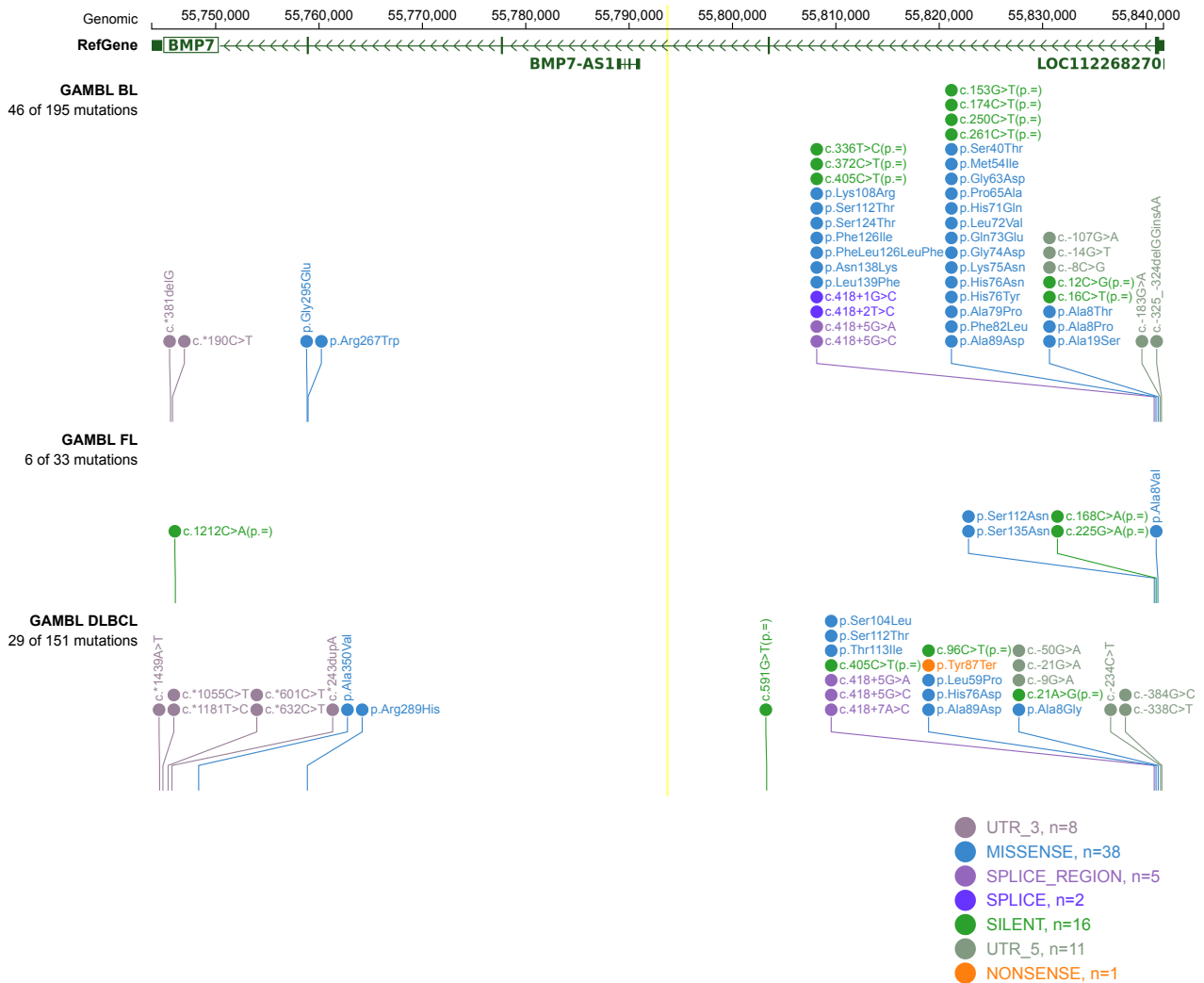
Chromosome	Coordinate (hg19)	ref>alt	HGVSp
chr20	55841157	C>T	A8T
chr20	55841157	C>G	A8P
chr20	55841156	G>C	A8G
chr20	55841155	AG>TA	A8V

Chromosome	Coordinate (hg19)	ref>alt	HGVSp
chr20	55840966	G>T	H71Q
chr20	55840965	G>C	L72V
chr20	55840962	G>C	Q73E
chr20	55840958	C>T	G74D
chr20	55840954	C>A	K75N
chr20	55840953	G>T	H76N
chr20	55840953	G>C	H76D
chr20	55840953	G>A	H76Y
chr20	55840944	C>G	A79P
chr20	55840935	A>G	F82L
chr20	55840918	G>C	Y87*
chr20	55840913	G>T	A89D

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



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



# BMP7 Expression



# References

1. Panea R, Love C, Shingleton JR, Reddy A, Bailey J, Moormann A, Otieno J, Ong'echa J, Oduor C, Schro der K, Masalu N, Chao N, Agajanian M, Major M, Fedoriw Y, Richards K, Rymkiewicz G, Miles R, Alobeid B, Bhagat G, Flowers C, Ondrejka S, Hsi E, Choi W, Au-Yeung R, Hartmann W, Lenz G, Meyerson H, Lin YY, Zhuang Y, Luftig M, Waldrop A, Dave T, Thakkar D, Sahay H, Li G, Palus B, Seshadri V, Kim S, Gascoyne R, Levy S, Mukhopadhyay M, Dunson D, Dave S. The whole genome landscape of Burkitt lymphoma subtypes. Blood. 2019;