@reddyGeneticFunctionalDrivers2017

Summary of novel genes

Entity	Tier 1 genes	Tier 2 genes
DLBCL	7	53

```
---
config:
    sankey:
        showValues: true
        linkColor: target
        width: 600
        height: 300
        nodeAlignment: right
        prefix: '('
        suffix: ' genes)'
---
sankey-beta
This study, New Tier 1, 7
New Tier 1, DLBCL Tier 1, 7
This study, New Tier 2, 53
New Tier 2, DLBCL Tier 2, 53
All other DLBCL studies, DLBCL Tier 1, 121
All other DLBCL studies, DLBCL Tier 2, 145
New Tier 2, Pass QC, 24
New Tier 2, Fail QC, 29
```

Novel genes reported in this study

Tier 1

Novel gene	DLBCL tier	Average variant quality
ATM	1	★ ★ ★ ☆ ☆
BIRC6	1	★ ★ ★ ☆ ☆
HIST1H2BC	1	★ ★ ★ ★ ☆
HNRNPU	1	★ ★ ★ ☆ ☆
SETD1B	1	★ ★ ☆ ☆ ☆
TOX	1	★ ★ ★ ☆ ☆
UBE2A	1	★ ★ ★ ☆ ☆

Tier 2

Novel gene	DLBCL tier	Average variant quality	QC outcome
ARID5B	2	★★★★☆	Pass
BTBD3	2	★★★★☆	Pass
SETD5	2	★★★☆☆	Pass
ATR	2	★★★☆☆	Pass
BRINP3	2	★★★☆☆	Pass
CASP8	2	★★★☆☆	Pass
TGFBR2	2	★★★☆☆	Pass
TIPARP	2	★★★☆☆	Pass
CD22	2	★★★☆☆	Pass
NF1	2	★★★☆☆	Pass
IKBKB	2	★★★☆☆	Pass
JUNB	2	★★★☆☆	Pass
KCMF1	2	★★★☆☆	Pass
MAGT1	2	★★★☆☆	Pass
MECOM	2	★★★☆☆	Pass
PTPN6	2	★★★☆☆	Pass
MET	2	★★★☆☆	Pass
ZFX	2	★★★☆☆	Pass
YY1	2	★★★☆☆	Pass
FOXP1	2	★★★☆☆	Pass
FUBP1	2	★★★☆☆	Pass
GOLGA5	2	★★★☆☆	Pass
MSH6	2	★★★☆☆	Pass
MCL1	2	★★★☆☆	Pass
ANKRD17	2	★★★☆☆	Fail
CDC73	2	★★☆☆☆	Fail
CHD1	2	★★☆☆☆	Fail
CHD8	2	★★☆☆☆	Fail
CHST2	2	★★☆☆☆	Fail
DCAF6	2	★★☆☆☆	Fail

Novel gene	DLBCL tier	Average variant quality	QC outcome
DDX10	2	★ ★ ☆ ☆ ☆	Fail
DICER1	2	★ ★ ☆ ☆ ☆	Fail
HRAS	2	★ ★ ☆ ☆ ☆	Fail
LIN54	2	★ ★ ☆ ☆ ☆	Fail
MAP4K4	2	★ ★ ☆ ☆ ☆	Fail
MSH2	2	★ ★ ☆ ☆ ☆	Fail
GNAS	2	★ ★ ☆ ☆ ☆	Fail
MYB	2	★ ★ ☆ ☆ ☆	Fail
NCOR1	2	★ ★ ☆ ☆ ☆	Fail
NFKB2	2	★ ★ ☆ ☆ ☆	Fail
PHF6	2	★ ★ ☆ ☆ ☆	Fail
PIK3CD	2	★ ★ ☆ ☆ ☆	Fail
PTPRK	2	★ ★ ☆ ☆ ☆	Fail
ZFAT	2	★ ★ ☆ ☆ ☆	Fail
ARID1B	2	★ ★ ☆ ☆ ☆	Fail
RUNX1	2	★ ★ ☆ ☆ ☆	Fail
CBLB	2	★ ★ ☆ ☆ ☆	Fail
SYK	2	★ ★ ☆ ☆ ☆	Fail
WAC	2	★ ★ ☆ ☆ ☆	Fail
ZBTB7A	2	★ ☆ ☆ ☆ ☆	Fail
RARA	2	★ ☆ ☆ ☆ ☆	Fail
DNMT3A	2	★ ☆ ☆ ☆ ☆	Fail
MARK1	2	★ ☆ ☆ ☆ ☆	Fail

See Also

The primary data supporting each of the mutations reported in this study can be viewed in IGV reports along with mutations unique to the GAMBL re-analysis.[@drevalRevisitingReddyDLBCL2023]

References