@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
DLBCL Tier 2, Pass QC, 24
DLBCL 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