

Summary of novel genes

| Entity | Tier 1 genes | Tier 2 genes |
|--------|--------------|--------------|
| BL | 3 | 56 |

```
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config:
  sankey:
    showValues: true
    linkColor: target
    width: 600
    height: 300
    nodeAlignment: right
    prefix: '('
    suffix: ' genes)'
---
sankey-beta
This study, New Tier 1, 3
New Tier 1, BL Tier 1, 3
This study, New Tier 2, 56
New Tier 2, BL Tier 2, 56
All other BL studies, BL Tier 1, 26
All other BL studies, BL Tier 2, 101
```

Novel genes reported in this study

Tier 1

| New gene | BL tier |
|----------|---------|
| ARID1A | 1 |
| GNA13 | 1 |
| PTEN | 1 |

Tier 2

| New gene | BL tier | Rating of reviewed variants |
|----------|---------|-----------------------------|
| ACAD9 | 2 | ★☆☆☆☆ |
| ACE | 2 | ★☆☆☆☆ |
| ATP2C2 | 2 | ★★☆☆☆ |

| New gene | BL tier | Rating of reviewed variants |
|----------|---------|-----------------------------|
| BCL6 | 2 | |
| BRAF | 2 | |
| BRD4 | 2 | |
| BTG2 | 2 | |
| C6orf27 | 2 | |
| CAD | 2 | ★ ☆ ☆ ☆ ☆ |
| CARD4 | 2 | |
| CCT6B | 2 | |
| CDC73 | 2 | ★ ★ ★ ☆ ☆ |
| CDH17 | 2 | |
| COL4A2 | 2 | |
| CREBBP | 2 | |
| CYB5D1 | 2 | |
| CYP4F22 | 2 | |
| DLGAP1 | 2 | ★ ☆ ☆ ☆ ☆ |
| DTX1 | 2 | ★ ☆ ☆ ☆ ☆ |
| EIF2C4 | 2 | |
| EML2 | 2 | ★ ☆ ☆ ☆ ☆ |
| ENTPD3 | 2 | |
| EPHB2 | 2 | |
| EZH2 | 2 | |
| FAM129B | 2 | |
| FGFR3 | 2 | |
| FTCD | 2 | |
| GGTLA4 | 2 | |
| GRIK5 | 2 | |
| ICK | 2 | |
| ITPR3 | 2 | |
| KIFC3 | 2 | ★ ☆ ☆ ☆ ☆ |
| MAP3K6 | 2 | |

| New gene | BL tier | Rating of reviewed variants |
|----------|---------|-----------------------------|
| MYH10 | 2 | |
| NBEAL1 | 2 | |
| NOTCH1 | 2 | ★ ☆ ☆ ☆ ☆ |
| NRXN2 | 2 | |
| P2RY2 | 2 | |
| PC | 2 | ★ ☆ ☆ ☆ ☆ |
| POLRMT | 2 | |
| POR | 2 | |
| PRSS22 | 2 | ★ ☆ ☆ ☆ ☆ |
| PTPRN | 2 | |
| RANBP6 | 2 | |
| RBP3 | 2 | |
| RET | 2 | ★ ☆ ☆ ☆ ☆ |
| SALL3 | 2 | |
| SAPS2 | 2 | |
| SBF1 | 2 | |
| SF3B1 | 2 | |
| SHANK1 | 2 | |
| SLC29A2 | 2 | |
| SYNGAP1 | 2 | ★ ☆ ☆ ☆ ☆ |
| TBC1D9B | 2 | |
| TIGD6 | 2 | |
| TPST2 | 2 | |
| ZNF229 | 2 | Germline |

Details