Table S5. Saccer 3 coordinates of lariat junction reads*
*List of BPs detected through LJ reads from the Lariat-seq data. BP positions were determined from locations of the 3’ most end of LJ reads and sequence information as described in the methods. The ‘reads_at_dist_to_bp’ field represents the number of LJ reads ending at various positions from the reported BP, the first in the list is zero away. The final two fields are marked 1, if the 5’SS or BP was previously annotated in the SGD annotations or by Meyer et al.7 respectively, or 0 otherwise.

| strand | chrom | 5’ss | bp | reads_at_dist_to_bp | bp_seq | anno_5’ss | anno_bp |
|--------|-------|------|----|--------------------|--------|-----------|---------|
| -      | chrII | 47146| 47074| 2,0,2               | GTTACTAATATG | 1        | 1       |
| +      | chrII | 125155| 125231| 49                  | ATTACTAACATT | 1        | 1       |
| +      | chrII | 170677| 170768| 0,11               | AGTACTAAGTT | 1        | 1       |
| -      | chrIII | 178213| 177956| 1,6                | GATACTAACCA | 1        | 1       |
| +      | chrIV | 122078| 122159 | 19                 | CGTACTAACAC | 1        | 0       |
| -      | chrIV | 215384| 215274 | 19                | TTTACTAACGAG | 0        | 0       |
| +      | chrIV | 230020| 230262 | 122,12,5          | TTTACTAACAA | 1        | 1       |
| -      | chrIV | 239509| 239768 | 4,9,35            | AATCTAACAAAT | 1        | 1       |
| +      | chrIV | 311189| 31277  | 23               | ATCCTAACCTG | 0        | 0       |
| +      | chrIV | 399362| 399470 | 100,5,0,0,0,0,3   | AATCTAACACAT | 1        | 1       |
| -      | chrV  | 715267 | 715267 | 109               | TATCTAACAAA | 1        | 1       |
| -      | chrV  | 99385 | 99153  | 1,6,33            | AATCTAACAAA | 1        | 1       |
| +      | chrV  | 225875| 225994 | 2                | TTTACTAACATT | 0        | 0       |
| +      | chrV  | 317018| 317138 | 5               | TTTCTACCGAG | 0        | 1       |
| -      | chrV  | 348494| 348833 | 1,16             | TATCTAACATAT | 1        | 1       |
| -      | chrV  | 166874| 166787 | 4               | ATTACTAACATC | 1        | 1       |
| -      | chrV  | 248671| 248563 | 2               | CATTCTAACATT | 0        | 0       |
| +      | chrV  | 362733| 362853 | 2               | ATTCTACGGCA | 1        | 0       |
| -      | chrV  | 505100| 505010 | 0,0,2         | AGTACTAACAG | 0        | 0       |
| -      | chrVI | 221414| 221303 | 30,0,0,0,0,0,0,0,0,0,8 | TATCTACAG | 1        | 1       |
| -      | chrVII | 73137| 73035  | 10            | ATTACTAACAG | 1        | 1       |
| +      | chrVII | 249887| 250015 | 35          | GTTCTAACAGG | 1        | 1       |
| -      | chrVII | 497458| 497390 | 0,0,5       | TTTCTACTGCT | 1        | 1       |
| -      | chrVII | 106102| 1060825| 10             | TATCTACCTTT | 0        | 0       |
| +      | chrVII | 1084883| 1085006| 14             | TTTCTACTGAA | 1        | 1       |
| +      | chrVII | 129529| 129617 | 2           | ATTACTAACATA | 1        | 1       |
| -      | chrVIII | 138408| 138281 | 5,65        | TATCTACCAAC | 1        | 1       |
| +      | chrVIII | 251156| 251231 | 0,1       | GAGACTACCTTT | 1        | 1       |
| -      | chrVIII | 505516| 505289 | 15        | TATCTACCAAG | 1        | 1       |
| +      | chrX  | 73797 | 74179   | 2    | TTTCTACAAAC | 1        | 1       |
| +      | chrX  | 236903| 237010 | 3    | ATCCTGACATA | 0        | 0       |
| +      | chrX  | 435228| 435309 | 2    | ATTACTAAGTAA | 1        | 1       |
| +      | chrX  | 608307| 608548 | 32,3,3  | TATCTACCAAAA | 1        | 1       |
| Chr   | Start | End   | Score | Strand | Sequence       | TSS    | Assay   |
|-------|-------|-------|-------|--------|----------------|--------|---------|
| chrX  | 703054| 702881| 5     |        | TTTACTAACGAG   | 1      | 1       |
| chrXI | 355283| 355153| 0,4   |        | CATACTTACAGT   | 0      | 0       |
| chrXI | 430596| 430520| 3,5   |        | GCTACTAACTAT   | 1      | 1       |
| chrXII| 327399| 327294| 5     |        | TAGACTAAGTT    | 1      | 1       |
| chrXII| 382301| 382388| 6     |        | TTTACTTACTAG   | 0      | 0       |
| chrXII| 707892| 707769| 0,0,2 |        | CTTACTGACAT    | 0      | 0       |
| chrXIII| 23658 | 23500 | 3,30  |        | TTTACTAAGTT    | 1      | 1       |
| chrXII| 236592| 236788| 72,2,1|        | GCCACTAAACAAT  | 1      | 1       |
| chrXIII| 243056| 242969| 0,0,4 |        | AATCTGACAT     | 0      | 0       |
| chrXII| 424998| 425114| 255,10,6 |      | TTTACTAACTAG   | 1      | 1       |
| chrXIII| 500151| 499899| 2,42  |        | CTTACTAACTAGA  | 1      | 1       |
| chrXIII| 721345| 721232| 313   |        | AATCTAAGACT    | 1      | 1       |
| chrXIV| 48294 | 48378 | 10,0,3|        | ATTACTAACAAT   | 1      | 1       |
| chrXIV| 237531| 237419| 0,0,9 |        | TTTACTGACCTAT  | 0      | 0       |
| chrXIV| 380781| 380701| 11    |        | ATTACTAATCTG   | 1      | 0       |
| chrXIV| 502164| 502269| 0,0,10|        | GATACTGATAT    | 0      | 0       |
| chrXIV| 616067| 616229| 4,0,4 |        | TCAAATCTTACTG  | 0      | 0       |
| chrXV | 552874| 552738| 27,23,51|       | ATTACTAAGCT    | 1      | 1       |
| chrXV | 780121| 780265| 604,27,100 |     | TTGACTAAACAT   | 1      | 1       |
| chrXI  | 76223 | 76014 | 6     |        | GTTACTAAGATA   | 1      | 1       |
| chrXI  | 281503| 281386| 18    |        | TTAATCTAAGCA   | 1      | 1       |
| chrXI  | 582701| 582570| 76,0,0,0,0,0,0,0,0,0,0,0,10,59 |  | TATACTAAGCAAAA | 1      | 1       |
| chrXI  | 623578| 623665| 481,39,30 |       | TATACTAACAGA   | 1      | 1       |
| chrXI  | 833694| 833783| 18    |        | AAAACTAAGACT   | 1      | 1       |
| chrXI  | 943051| 943174| 6,0,1,0,5 |       | TTTACTAACTG    | 1      | 1       |