

| | A | C | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | V | W | Y |
|--------------------------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|------------|-------------|-------------|------------|------------|-------------|------------|-------------|------------|-------------|--------------|--------------|--------------|
| 14-3-3s | 10.5 | 0.8 | 6 | 13.3 | 2 | 6 | 1.2 | 4 | 6.9 | 9.7 | 3.2 | 3.2 | 2.8 | 3.6 | 5.2 | 7.7 | 4 | 4.8 | 0.8 | 4 |
| AF10 | 6.7 | 2 | 3.2 | 4.4 | 2.1 | 8.2 | 3.7 | 2.9 | 5 | 7.7 | 1.3 | 5.2 | 6.7 | 8.1 | 3.4 | 14.9 | 6.6 | 5.8 | 0.4 | 1.7 |
| BRCA1 | 4.5 | 2.4 | 4.6 | 10.6 | 2.6 | 4.7 | 2.6 | 4.1 | 7.4 | 8.4 | 1.6 | 6.5 | 5.2 | 5.2 | 4.1 | 12 | 6 | 5.4 | 0.5 | 1.7 |
| DEK | 4 | 1.3 | 4.8 | 15.5 | 2.4 | 3.7 | 0.8 | 3.2 | 17.9 | 7.2 | 2.1 | 3.5 | 5.6 | 2.7 | 4 | 11.2 | 5.1 | 3.7 | 0 | 1.3 |
| ESR1 | 7.9 | 2.2 | 4 | 6.1 | 2.5 | 7.9 | 3.7 | 3.2 | 4.9 | 12.3 | 4.5 | 4.2 | 5.9 | 4.2 | 5.9 | 7.6 | 4.2 | 4.2 | 0.8 | 3.9 |
| HMGB1 | 8.8 | 1.4 | 9.3 | 16.7 | 4.2 | 5.1 | 1.4 | 1.9 | 20 | 1.9 | 2.8 | 1.9 | 6 | 0.9 | 3.7 | 5.1 | 2.3 | 2.3 | 0.9 | 3.3 |
| IFI16 | 4.2 | 1 | 3.8 | 8 | 4.8 | 4.7 | 2.4 | 5.6 | 11.3 | 6.8 | 3.7 | 4.7 | 7.3 | 3.7 | 3.6 | 8.7 | 8 | 5.9 | 0 | 1.8 |
| KMT2A | 5.6 | 2 | 4.6 | 6.3 | 2.5 | 6.2 | 2.1 | 3.8 | 7.7 | 7 | 1.6 | 4 | 9 | 4.6 | 5.8 | 13.7 | 6.3 | 5.3 | 0.5 | 1.3 |
| MUS81 | 8.5 | 1.8 | 3.3 | 6.7 | 2.4 | 7.8 | 3.1 | 2 | 3.6 | 13.4 | 0.9 | 2.7 | 7.6 | 4.7 | 10.3 | 7.1 | 4.9 | 5.8 | 1.1 | 2.2 |
| P53 | 6.1 | 2.5 | 5.1 | 7.6 | 2.8 | 5.9 | 3.1 | 2 | 5.1 | 8.1 | 3.1 | 3.6 | 11.5 | 3.8 | 6.6 | 9.7 | 5.6 | 4.6 | 1 | 2.3 |
| PARP1 | 6.6 | 1.4 | 6.1 | 7.4 | 3 | 7 | 1.9 | 4.7 | 12.4 | 8.9 | 2.5 | 3.6 | 4.3 | 3.4 | 3.3 | 8.4 | 4.1 | 6.7 | 1.3 | 3.2 |
| PRKDC | 6.5 | 2.1 | 5.1 | 7.2 | 4.7 | 4.5 | 2.2 | 4.8 | 6.7 | 12.8 | 2.9 | 3.7 | 4.5 | 4.6 | 5.2 | 7.9 | 4.4 | 6.1 | 1.2 | 2.9 |
| R51A1 | 6.8 | 1.1 | 8 | 6.8 | 1.7 | 3.1 | 1.4 | 2.6 | 13.4 | 7.1 | 1.1 | 4 | 7.7 | 3.1 | 4.3 | 13.9 | 4.5 | 8.2 | 0.3 | 0.9 |
| RAD54L | 5.4 | 2.8 | 5.8 | 6.6 | 3.2 | 5.9 | 2.5 | 4.7 | 6.6 | 12.2 | 1.5 | 2.7 | 5.5 | 4.6 | 7.6 | 9 | 3.7 | 6.4 | 1.3 | 2.1 |
| TERF2 | 10.1 | 0.6 | 4.1 | 9.4 | 2.6 | 7.7 | 1.1 | 3.1 | 8.3 | 7.9 | 2.8 | 4.1 | 6.6 | 3.9 | 7.6 | 7.9 | 5 | 4.8 | 1.3 | 1.1 |
| TOP1 | 5.2 | 1 | 7.5 | 11.1 | 3.4 | 3.4 | 3.1 | 4.7 | 17.5 | 6.1 | 2.5 | 4.7 | 4.8 | 3.4 | 5.5 | 4.1 | 3.5 | 3.9 | 1.7 | 2.7 |
| WRN | 4.7 | 2.5 | 5.9 | 8.4 | 3.1 | 5 | 2.4 | 6 | 8.2 | 10.5 | 3.1 | 4.5 | 3.8 | 4.2 | 4.6 | 9 | 4.8 | 5.5 | 1.1 | 2.6 |
| XPF | 6.4 | 1.7 | 4.6 | 9.9 | 3.8 | 4.6 | 2.5 | 5.6 | 7.1 | 12.2 | 1.7 | 3.2 | 4.6 | 3.5 | 6.8 | 7.1 | 5.3 | 5.7 | 0.7 | 2.9 |
| Mean | 6.6 | 1.7 | 5.3 | 9 | 3 | 5.6 | 2.3 | 3.8 | 9.4 | 8.9 | 2.4 | 3.9 | 6.1 | 4 | 5.4 | 9.2 | 4.9 | 5.3 | 0.8 | 2.3 |
| Median | 6.5 | 1.8 | 4.9 | 7.8 | 2.7 | 5.5 | 2.4 | 3.9 | 7.5 | 8.3 | 2.5 | 3.8 | 5.7 | 3.8 | 5.2 | 8.5 | 4.9 | 5.5 | 0.9 | 2.2 |
| Expected | 7 | 2.3 | 4.7 | 7 | 3.6 | 6.7 | 2.6 | 4.4 | 5.7 | 9.9 | 2.2 | 3.6 | 6.4 | 4.7 | 5.7 | 8.3 | 5.3 | 6 | 1.3 | 2.6 |
| Relative enrichment [%] | -5.3 | -26.1 | 13.4 | 29.6 | -17.9 | -15.8 | -13.1 | -12 | 64.9 | -9.8 | 8.5 | 8.3 | -4.4 | -15 | -4.7 | 11 | -7.8 | -11.8 | -34.5 | -11.6 |