**Table S5.** Illumina libraries sequenced in this study.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sequencing line** | **Library type** | **Experimental condition** | **Replicate** | **Index in TrueSeq-MPEX-R oligo** | **Index read by instrument** | **Sequenced paired-end reads (millions)** |
| 1 | ChIP-exo | pVCR94Δ*acaCD*  p*acaDC*3xFLAG induced | 1 | AGGCTA | TAGCCT | 3.7 |
| 2 | GCTATA | TATAGC | 3.5 |
| 3 | TAGATA | TATCTA | 3.4 |
| Total RNA-seq | pVCR94 wild-type | 1 | AGCCGC | GCGGCT | 3.9 |
| 2 | CGGTTG | CAACCG | 3.8 |
| 3 | GTAATT | AATTAC | 3.0 |
| pVCR94Δ*acaCD* | 1 | TGACCG | CGGTCA | 2.6 |
| 2 | CCGCTC | GAGCGG | 3.2 |
| 3 | GAGGTC | GACCTC | 2.5 |
| pVCR94Δ*acaCD*  p*acaDC*3xFLAG induced | 1 | AGTTGG | CCAACT | 4.9 |
| 2 | TCGTCC | GGACGA | 3.9 |
| 3 | TTGCGC | GCGCAA | 3.7 |
| 2 | Total RNA-seq | pVCR94 wild-type | 4 | TAAGCC | GGCTTA | 6.2 |
| 5 | ATTCCG | CGGAAT | 6.8 |
| 6 | ACGCGG | CCGCGT | 5.8 |
| pVCR94Δ*acaCD* | 4 | GACTCC | GGAGTC | 6.2 |
| 5 | CGATCC | GGATCG | 4.1 |
| 6 | AACCTG | CAGGTT | 6.8 |
| pVCR94Δ*acaCD*  p*acaDC*3xFLAG induced | 4 | GAGAGT | ACTCTC | 5.6 |
| 5 | AGTTGG | CCAACT | 4.9 |
| 6 | TCGTCC | GGACGA | 5.0 |
| 5'-RACE | pVCR94Δ*acaCD* | 1 | CAGCAG | CTGCTG | 5,7 |
| pVCR94Δ*acaCD*  p*acaDC*3xFLAG induced | 1 | CTAACG | CGTTAG | 6.0 |