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| **Table S3. MeRIP-seq generated in this study** |
| **SampleID** | **clean\_****total** | **clean\_****base** | **Total mapped** | **Total Uniquely mapped** | **Splice reads** | **Nonsplice reads** |
| CA\_IP\_1 | 73611640 | 9.96G | 69380096(94.25%) | 67258953(96.94%) | 6982085(10.38%) | 60276868(89.62%) |
| CA\_IP\_2 | 84765698 | 11.50G | 79279021(93.53%) | 77050162(97.19%) | 6455121(8.38%) | 70595041(91.62%) |
| CA\_IP\_3 | 77157204 | 10.44G | 72287839(93.69%) | 69976403(96.80%) | 5381348(7.69%) | 64595055(92.31%) |
| CA\_IP\_4 | 83813130 | 11.29G | 76645678(91.45%) | 74323643(96.97%) | 6106581(8.22%) | 68217062(91.78%) |
| CA\_IP\_5 | 87929196 | 11.86G | 81289586(92.45%) | 78911723(97.07%) | 5630286(7.13%) | 73281437(92.87%) |
| CA\_input\_1 | 89333786 | 8.93G | 84264900(94.33%) | 80871011(95.97%) | 8637786(10.68%) | 72233225(89.32%) |
| CA\_input\_2 | 92505376 | 9.25G | 88768200(95.96%) | 85233733(96.02%) | 9464731(11.10%) | 75769002(88.90%) |
| CA\_input\_3 | 91851274 | 9.19G | 86972194(94.69%) | 83435812(95.93%) | 8052003(9.65%) | 75383809(90.35%) |
| CA\_input\_4 | 87582188 | 8.76G | 83377297(95.20%) | 79204827(95.00%) | 9367150(11.83%) | 69837677(88.17%) |
| CA\_input\_5 | 93734496 | 9.37G | 89442559(95.42%) | 86116675(96.28%) | 8250761(9.58%) | 77865914(90.42%) |
| CON\_IP\_1 | 80159626 | 10.87G | 75116464(93.71%) | 72725386(96.82%) | 6117231(8.41%) | 66608155(91.59%) |
| CON\_IP\_2 | 80073884 | 10.86G | 75079440(93.76%) | 72725583(96.86%) | 6744054(9.27%) | 65981529(90.73%) |
| CON\_IP\_3 | 88414204 | 11.63G | 82994256(93.87%) | 79408888(95.68%) | 9373005(11.80%) | 70035883(88.20%) |
| CON\_IP\_4 | 89052664 | 12.06G | 84413195(94.79%) | 81741812(96.84%) | 6749959(8.26%) | 74991853(91.74%) |
| CON\_IP\_5 | 73136162 | 9.87G | 69286916(94.74%) | 67041530(96.76%) | 6367190(9.50%) | 60674340(90.50%) |
| CON\_input\_1 | 82532490 | 8.25G | 78199887(94.75%) | 74995995(95.90%) | 7145850(9.53%) | 67850145(90.47%) |
| CON\_input\_2 | 85485796 | 8.55G | 81071331(94.84%) | 78124820(96.37%) | 8167836(10.45%) | 69956984(89.55%) |
| CON\_input\_3 | 90764520 | 9.08G | 85264962(93.94%) | 82137567(96.33%) | 9234920(11.24%) | 72902647(88.76%) |
| CON\_input\_4 | 85815702 | 8.58G | 80796377(94.15%) | 77978956(96.51%) | 6768330(8.68%) | 71210626(91.32%) |
| CON\_input\_5 | 88984772 | 8.90G | 83656065(94.01%) | 80126807(95.78%) | 8359366(10.43%) | 71767441(89.57%) |