

**Supplemental Table S4. Simple sequence repeats length distribution across different motif classification in reed canary grass**

| Nucleotide repeat types | SSRs motif numbers |
|-------------------------|--------------------|
| A/T                     | 21212              |
| C/G                     | 1647               |
| AC/GT                   | 1655               |
| AG/CT                   | 5033               |
| AT/AT                   | 1432               |
| CG(CG                   | 582                |
| AAC/GTT                 | 468                |
| AAG/CTT                 | 1114               |
| AAT/ATT                 | 260                |
| ACC/GGT                 | 1006               |
| ACG/CGT                 | 964                |
| ACT/AGT                 | 290                |
| AGC/CTG                 | 2688               |
| AGG/CCT                 | 3095               |
| ATC/ATG                 | 585                |
| CCG/CGG                 | 6791               |