**Table 3** **Repeat annotation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Repbase TEs | Protein TEs | Denovo TEs | Combined TEs | |
| Type | Length(bp) | Length(bp) | Length(bp) | Length(bp) | %genome |
| DNA | 26,238,886 | 530,751 | 62,182,226 | 75,477,616 | 10.989 |
| LINE | 15,496,971 | 11,617,555 | 51,055,201 | 58,297,081 | 8.487 |
| SINE | 2,837,866 | 0 | 4,239,548 | 6,514,011 | 0.948 |
| LTR | 8,312,358 | 3,739,966 | 16,118,161 | 21,189,470 | 3.085 |
| Other | 7,306 | 0 | 0 | 7,306 | 0.001 |
| Unknown | 0 | 0 | 6,493,952 | 6,493,952 | 0.945 |
| Total | 47,801,338 | 15,886,597 | 125,354,525 | 136,506,912 | 19.874 |