

**Table S6.** Summary of SSRs (simple sequence repeats) identified in quinoa

<b>Motif</b>	<b>Counts</b>	<b>Average length (bp)</b>	<b>Average mismatches (bp)</b>	<b>Counts/Mbp</b>
Mononucleotide	121,810	22.8	0.4	91.1
Dinucleotide	44,872	42.3	1	33.6
Trinucleotide	76,221	39.5	1.4	57
Tetranucleotide	46,847	20.2	0.3	35.1
Pentanucleotide	77,059	20.6	0.4	57.7
Hexanucleotide	25,955	26.6	0.7	19.4
<b>Total</b>	<b>392,764</b>	<b>28.7</b>	<b>0.7</b>	<b>49</b>