

**Table S1 Oligonucleotides probes used in single-telomere Southern blot.**

Probe name	Telomere	Subtelomere elements	Restriction enzyme	Probe sequence	Size of terminal restriction fragment in bp	Quality <sup>1</sup>
oT355	I-L	X	NdeI	GCTTGTGGTAGCAACACTATCATGGTAT CAC	965	+++
oT356	II-R	X	BstEII	CTAACACAATCCTAACAGTACCCTATTCT AACCCGTATG	1308	++
oT357	III-L	X	BstEII	CTCAATTTATACACACTTATGTCAATATAA CCACAAAATCAC	828	+
oT358	XI-L	X	BstEII	TTTTACCTGTCTCCAAACCTACCCTCAC ATTACCCTA	964	+
oT360	VI-R	X	NdeI	CATTCCGAACGCTATTCCAGAAAGTAGT CCAGCC	688	+++
oT361	VII-L	X	BstEII	CTATTTTCTTGAACGGATGACATTTTCATG TTG	840	++
oT362	XIV-R	X	NdeI	TTCTACAACCTCCAACCACCATCCATCTC TCTACTTACCACTA	988	+
oT455	X-R	X	NdeI	CATGCCATACTCACTTGCACTTGTATACT GATATGG	391	+
oT456	I-R	X	BstNI	CAAGATGGTAAAAGATTGAAGGCGTATC GTGGTATGG	1171	+++
oT457	IX-L/X-L	XY'/XY'	BstNI	GTTGTTGTGGAAGCGCTCGAGAAAGG	1165	+++
oT459	XV-L	X	BstNI	GTGGTATTGATACGTAATTGAGTG	1149	+++

<sup>1</sup>Refers to the sensitivity and the specificity of the oligonucleotide probe:

+++ sensitive and specific telomeric signal; ++ less sensitive but specific telomeric signal; + presence of non specific bands that may hinder analysis