

Appendix 7: SpotReport Validation System

Arabidopsis thaliana mRNA spikes (*in vitro* transcribed, polyadenylated RNA)

mRNA spike	Length (bp)	Accession number
Photosystem I chlorophyll a/b binding protein(Cab)	500	X56062
RUBISCO activase (RCA)	513	X14212
Ribulose-1,5-bisphosphate carboxylase large sub unit (rbcL)	521	U91966
Lipid transfer protein 4 (LTP4)	527	AF159801
Lipid transfer protein 6 (LTP6)	477	AF159803
Papain-type cysteine endopeptidase (XCP2)	507	AF191028
Root cap 1 (RCP1)	533	AF168390
NAC1 (NAC1)	457	AF198054
Triosphosphate isomerase (TIM)	498	AF247559
PRKase gene for ribulose-5-phosphate kianse (PRKase)	497	X58149

Arabidopsis thaliana 70-mer oligonucleotides that hybridise to the above targets were supplied by Stratagene (probe sequences are not in the public domain).