

Table S2 Hybridization scheme of 36 microarrays.

Slide	Cy3	Cy5	FileName
loop design - roots (10 arrays)			
cp1	CHR	EXR	CP1.gpr
cp2	EXR	CHR	CP2.gpr
cp8	EXR	NZR	CP8.gpr
cp9	NZR	EXR	CP9.gpr
cp6	NZR	FAR	CP6.gpr
cp7	FAR	NZR	CP7.gpr
cp10	FAR	ENR	CP10.gpr
cp11	ENR	FAR	CP11.gpr
cp16	ENR	CHR	CP16.gpr
cp17	CHR	ENR	CP17.gpr
loop design - leaves (14 arrays)			
cp12	CHL	EXL	CP12.gpr
cp13	EXL	CHL	CP13.gpr
cp18	EXL	NZL	CP18.gpr
cp19	NZL	EXL	CP19.gpr
co27	EXL	NZL	CO27.gpr
co26	NZL	EXL	CO26.gpr
cp14	NZL	FAL	CP14.gpr
cp15	FAL	NZL	CP15a.gpr
co29	NZL	FAL	CO29.gpr
co28	FAL	NZL	CO28.gpr
cp3	FAL	ENL	CP3.gpr
cp4	ENL	FAL	CP4.gpr
cp20	ENL	CHL	CP20.gpr
cp21	CHL	ENL	CP21.gpr
loop design - roots and leaves (12 arrays)			
co25	CHL	CHR	CO25.gpr
co24	CHR	ENL	CO24.gpr
co23	ENL	FAR	CO23.gpr
co22	FAR	CHL	CO22.gpr
co21	CHL	EXR	CO21.gpr
co20	EXR	ENL	CO20.gpr
co19	ENL	ENR	CO19.gpr
co18	ENR	NZL	CO18.gpr
co15	ENR	NZL	CO15.gpr
co17	NZL	NZR	CO17.gpr
co14	NZL	NZR	CO14.gpr
co16	NZR	CHL	CO16.gpr

A separate loop was hybridized for roots and leaves and another loop was hybridized to allow for root-leave comparisons. Hybridizations involving leaf samples of *P. novae-zelandiae* used

more replicates as there was more variation in the efficiency of dye labelling. Abbreviations: CHL, *P. cheesemanii* leaves; CHR, *P. cheesemanii* roots; FAL, *P. fastigiatum* leaves; FAR, *P. fastigiatum* roots, EXL, *P. exile* leaves; EXR, *P. exile* roots; ENL, *P. enysi* leaves; ENR, *P. enysi* roots; NZL, *P. novae-zelandiae* leaves; NZR, *P. novae-zelandiae* roots.