

Additional file 3. Genetic characteristics of the six loci used to genotype 18 *L. pustulata* samples for anatomical and physiological measurements.

Gene	Primer	Primer sequence	Annotation	Position (bp)*	Allele pops. 1 to 5	Allele pop. 6
LPUS_05581	forward reverse	CATCCAATTTGCGCGTAGTGTG GAATCGCTGGTGGTCAGGTG	Hsp90-like protein	1775	C	T
LPUS_03073	forward reverse	GAAGTGGCAAACCCTCGATCG CTATAGTCGGTTTGGCAAATCTTAC	polyketide synthase	3081	A	C
LPUS_11054	forward reverse	ATCAAGGACCGTCGGCCTTTTG CAGTGACAGCACCAATTGGCAC	protein kinase C	1581	A	G
LPUS_02974	forward reverse	CTTGGAAGCATATGGCTATTG CTAGAGACTCTACCAAAGTGG	thermotolerance protein	683	T	G
LPUS_02744	forward reverse	GATCTGATCACTTACCTCGAC CATGAGTCGTACTGAATTCATAG	metallo-beta-lactamase family protein	389	T	C
LPUS_03358	forward reverse	ATGCCCAACCGCCGATTC CTTATTCACCTCGTTATGCACATGAC	FAD-linked sulfhydryl oxidase Alr protein	246	G	A

* Positions in loci LPUS_05581, LPUS_03073 and LPUS_11054 are 0.5% top F_{ST} -based SNPs and refer to coding sequence position. Positions in loci LPUS_02974, LPUS_02744, and LPUS_03358 are top Z Bayenv2.0 SNPs and refer to coding sequence position.