

# 1 Anexos

## 1.1 Datos RT-qPCR

WT = *wild type*; KAT = *KAT1-YFP*; R = raíz; PA = parte aérea.

Sample	Target	Cq	Cq Conf	Amp Score	Amp Status	Baseline Start	Baseline End	Tm1	Tm2	Tm3	Tm4
WT R	KAT1-YFP	Undetermined	0	0,89636555	No Amp	3	34	81,675	88,058		
WT R	KAT1-YFP	37,95194419	0,949026	1,12996127	Inconclusive	3	32	79,003			
WT R	KAT1-YFP	Undetermined	0	0,44523388	No Amp	3	39	87,803	80,518		
WT R	HPH	36,28334787	0,973056	1,24452692	Amp	3	31	79,295	84,044		
WT R	HPH	Undetermined	0	0,71981761	No Amp	3	36	83,938			
WT R	HPH	Undetermined	0	0,53717377	No Amp	3	37	80,667			
WT R	GADPH	19,71566888	0,993907	1,53422486	Amp	3	14	85,993			
WT R	GADPH	19,26480252	0,992307	1,55094293	Amp	3	13	85,251			
WT R	GADPH	19,33155507	0,993125	1,55290466	Amp	3	13	85,083			
WT PA	KAT1-YFP	Undetermined	0	0,62702779	No Amp	3	36	87,612			
WT PA	KAT1-YFP	Undetermined	0		No Amp	3	39	93,995	81,526		
WT PA	KAT1-YFP	36,20072964	0,985945	1,29984589	Amp	3	31	81,708			
WT PA	HPH	Undetermined	0		No Amp	3	39	94,284	85,083		
WT PA	HPH	Undetermined	0		No Amp	3	39	85,573	77,248		
WT PA	HPH	Undetermined	0		No Amp	3	39	94,345	87,209	82,005	76,653
WT PA	GADPH	20,68249886	0,993789	1,40070817	Amp	3	15	86,29			
WT PA	GADPH	19,40946744	0,994296	1,54732048	Amp	3	13	85,399			
WT PA	GADPH	19,51436438	0,994098	1,55006893	Amp	3	13	85,379			
WT KAT R	KAT1-YFP	29,68175807	0,995399	1,54422496	Amp	3	24	82,12			
WT KAT R	KAT1-YFP	29,45246367	0,994818	1,55221425	Amp	3	24	81,526			
WT KAT R	KAT1-YFP	30,13019379	0,988944	1,53094023	Amp	3	24	81,262			
WT KAT R	HPH	27,02743477	0,995254	1,49912093	Amp	3	22	87,457			
WT KAT R	HPH	28,39707658	0,995528	1,50462221	Amp	3	23	86,614			
WT KAT R	HPH	30,09245695	0,993721	1,51768509	Amp	3	25	86,317			
WT KAT R	GADPH	19,24045793	0,994076	1,54268857	Amp	3	13	85,993			
WT KAT R	GADPH	18,86630256	0,993175	1,568654	Amp	3	13	85,251			
WT KAT R	GADPH	18,93829319	0,988995	1,55947546	Amp	3	13	85,379			
WT KAT PA	KAT1-YFP	27,36252426	0,997153	1,58042856	Amp	3	22	82,268			
WT KAT PA	KAT1-YFP	28,10136368	0,994465	1,53769555	Amp	3	23	81,675			
WT KAT PA	KAT1-YFP	27,93044532	0,996665	1,541362	Amp	3	22	81,559			
WT KAT PA	HPH	24,95628454	0,997124	1,49465865	Amp	3	20	87,457			
WT KAT PA	HPH	29,05456421	0,965805	1,66478114	Amp	3	24	87,06			
WT KAT PA	HPH	27,07383982	0,994834	1,51907431	Amp	3	21	86,614			
WT KAT PA	GADPH	20,23025689	0,993864	1,51819359	Amp	3	14	86,142			
WT KAT PA	GADPH	19,98136104	0,98966	1,53714245	Amp	3	14	85,548			
WT KAT PA	GADPH	19,87963649	0,995482	1,53713368	Amp	3	14	85,676			
no cDNA	KAT1-YFP	Undetermined	0	0,82828408	No Amp	3	35	87,357			
no cDNA	KAT1-YFP	Undetermined	0	0,39392541	No Amp	3	37	80,93	91,765		
no cDNA	KAT1-YFP	Undetermined	0		No Amp	3	39	80,93	90,726	86,125	
no cDNA	HPH	Undetermined	0	0,76783218	No Amp	3	35	87,209			
no cDNA	HPH	Undetermined	0		No Amp	3	37	86,422			
no cDNA	HPH	Undetermined	0	0,72915279	No Amp	3	35	86,57			
no cDNA	GADPH	34,13701458	0,981371	1,35337194	Amp	3	28	76,801			
no cDNA	GADPH	39,32647823	0	1,03593977	Amp	3	32	76,329			
no cDNA	GADPH	37,77027152	0,93232	1,1227333	Amp	3	31	76,477			

kat1 R	KAT1-YFP	35,25299988	0,990004	1,41209513	Amp	3	30	79,448			
kat1 R	KAT1-YFP	Undetermined	0	0,76687652	No Amp	3	34	86,722			
kat1 R	KAT1-YFP	Undetermined	0	0,90548125	No Amp	3	33	85,573			
kat1 R	HPH	37,95145548	0,966746	1,10392877	Inconclusive	3	33	87,309			
kat1 R	HPH	Undetermined	0	0,42129477	No Amp	3	36	86,614	83,938		
kat1 R	HPH	Undetermined	0	0,25876431	No Amp	3	39	82,6	78,288	94,048	
kat1 R	GADPH	19,57731171	0,994594	1,54036751	Amp	3	14	86,142			
kat1 R	GADPH	19,13233011	0,993474	1,55586614	Amp	3	13	85,399			
kat1 R	GADPH	19,20920007	0,99399	1,56061102	Amp	3	13	85,231			
kat1 PA	KAT1-YFP	36,40977421	0,986324	1,30925538	Amp	3	31	82,268			
kat1 PA	KAT1-YFP	35,36891594	0,990892	1,43476268	Amp	3	29	81,971			
kat1 PA	KAT1-YFP	36,37624171	0,986086	1,35089805	Inconclusive	3	31	81,559			
kat1 PA	HPH	34,76526527	0,991908	1,42863028	Amp	3	29	87,16			
kat1 PA	HPH	34,86165043	0,987639	1,38472017	Amp	3	29	86,911			
kat1 PA	HPH	36,04598111	0,981928	1,28126261	Amp	3	30	86,911			
kat1 PA	GADPH	19,82491683	0,994358	1,51655235	Amp	3	14	86,142			
kat1 PA	GADPH	19,3790011	0,992886	1,54165575	Amp	3	14	85,251			
kat1 PA	GADPH	19,40522636	0,993297	1,54574047	Amp	3	13	85,231			
kat1 KAT R	KAT1-YFP	24,21480221	0,995773	1,56275814	Amp	3	18	81,971			
kat1 KAT R	KAT1-YFP	24,52774241	0,995524	1,52831737	Amp	3	19	81,526			
kat1 KAT R	KAT1-YFP	24,51904539	0,996299	1,52884446	Amp	3	19	81,41			
kat1 KAT R	HPH	22,11477618	0,995175	1,47587507	Amp	3	17	87,309			
kat1 KAT R	HPH	22,95700837	0,995843	1,53305283	Amp	3	18	86,763			
kat1 KAT R	HPH	23,46694392	0,994223	1,52958518	Amp	3	17	86,614			
kat1 KAT R	GADPH	19,10097619	0,991183	1,49642924	Amp	3	13	85,696			
kat1 KAT R	GADPH	18,73629564	0,995364	1,55912169	Amp	3	13	85,696			
kat1 KAT R	GADPH	18,6665056	0,994618	1,55708946	Amp	3	13	85,379			
kat1 KAT PA	KAT1-YFP	24,91392591	0,997706	1,54868884	Amp	3	19	82,12			
kat1 KAT PA	KAT1-YFP	24,61444099	0,996499	1,56860048	Amp	3	19	81,675			
kat1 KAT PA	KAT1-YFP	24,06363144	0,996117	1,61401234	Amp	3	18	81,708			
kat1 KAT PA	HPH	24,33644352	0,842435	1,65435262	Amp	3	19	87,605			
kat1 KAT PA	HPH	23,81826875	0,996545	1,53283053	Amp	3	18	86,763			
kat1 KAT PA	HPH	24,33356282	0,995048	1,51900715	Amp	3	19	86,465			
kat1 KAT PA	GADPH	19,85941046	0,993969	1,54436201	Amp	3	14	85,433			
kat1 KAT PA	GADPH	19,75332557	0,994903	1,58067827	Amp	3	14	85,579			
kat1 KAT PA	GADPH	19,93458363	0,994293	1,55387982	Amp	3	14	85,714			