

Table S1

		Volume _{guardcell}	Volume _{cytosol+nucleus}	Volume _{vacuole}	Volume _{chloroplasts}	Volume _{nucleus}	Volume _{vacuole} /Volume _{guardcell}	Volume _{cytosol} /Volume _{guardcell}	Stomata pore width
VAMP711-YFP _{Fig.2}	180 min + CS	-	-	143.5 $\mu\text{m}^3 \pm 64.8$	-	-	-	-	-
	180 min + FC	-	-	397.7 $\mu\text{m}^3 \pm 92.7$	-	-	-	-	-
	Percentage _{(180min+FC)-(180min+CS)}	-	-	177,10%	-	-	-	-	-
	P value _{(180min+FC)-(180min+CS)}	-	-	<0.0001 ^b	-	-	-	-	-
ClopHensor _{Fig.2}	180 min + CS	491.6 $\mu\text{m}^3 \pm 49.0$	333.3 $\mu\text{m}^3 \pm 23.5$	130.9 $\mu\text{m}^3 \pm 46.1$	27.5 $\mu\text{m}^3 \pm 4.8$	-	26.1% ± 7.4	68.3% ± 6.9	2.6 $\mu\text{m} \pm 0.7$
	180 min + FC	662.4 $\mu\text{m}^3 \pm 119.6$	318.6 $\mu\text{m}^3 \pm 90.6$	313.0 $\mu\text{m}^3 \pm 67.9$	30.9 $\mu\text{m}^3 \pm 6.3$	-	47.5% ± 7.4	47.8% ± 7.4	4.5 $\mu\text{m} \pm 0.7$
	light + CS	691.4 $\mu\text{m}^3 \pm 183.6$	347.2 $\mu\text{m}^3 \pm 75.3$	303.5 $\mu\text{m}^3 \pm 111.6$	40.7 $\mu\text{m}^3 \pm 16.8$	-	43.0% ± 6.2	51.1% ± 6.2	4.0 $\mu\text{m} \pm 0.1$
	Percentage _{(180min+FC)-(180min+CS)}	34,70%	-4,40%	139,10%	12,40%	-	-	-	73,10%
	P value _{(180min+FC)-(180min+CS)}	0.0001 ^a	0.1749 ^b	<0.0001 ^b	0.1124 ^b	-	<0.0001 ^a	<0.0001 ^a	0.0022 ^b
	P value _{(light+CS)-(180min+FC)}	0.6506 ^a	0.2602 ^b	0.7508 ^b	0.1572 ^b	-	0.1189 ^a	0.2428 ^a	0.2403 ^b
ClopHensor _{Fig.3}	0 min - FC	457.9 $\mu\text{m}^3 \pm 78.6$	297.5 $\mu\text{m}^3 \pm 56.3$	125.7 $\mu\text{m}^3 \pm 37.8$	34.7 $\mu\text{m}^3 \pm 6.3$	-	27.4% ± 6.5	65.1% ± 6.6	2.4 ± 0.7
	30 min + FC	529.8 $\mu\text{m}^3 \pm 66.8$	294.4 $\mu\text{m}^3 \pm 38.2$	202.0 $\mu\text{m}^3 \pm 42.4$	33.4 $\mu\text{m}^3 \pm 3.3$	-	37.9% ± 5.3	55.8% ± 5.2	2.9 ± 0.8
	180 min + FC	611.7 $\mu\text{m}^3 \pm 101.6$	270.9 $\mu\text{m}^3 \pm 80.2$	304.9 $\mu\text{m}^3 \pm 45.6$	35.9 $\mu\text{m}^3 \pm 6.7$	-	50.4% ± 7.2	43.6% ± 7.3	4.3 ± 0.3
	Percentage _{(30min-FC)-(0min+FC)}	15,70%	-1%	60,70%	-3,70%	-	-	-	20,80%
	Percentage _{(180min+FC)-(30min+FC)}	15,50%	-8%	50,90%	7,50%	-	-	-	48,30%
	Percentage _{(180min-FC)-(0min+FC)}	33,60%	-8,90%	142,60%	3,50%	-	-	-	79,20%
	P value _{(30min-FC)-(0min+FC)}	0.0081 ^a	0.8164 ^a	<0.0001 ^a	0.4958 ^a	-	0.0008 ^a	0.0026 ^a	0.5476 ^b
	P value _{(180min+FC)-(30min+FC)}	0.0176 ^a	0.3553 ^a	<0.0001 ^a	0.0912 ^a	-	0.0003 ^a	0.0005 ^a	0.0159 ^b
ClopHensor _{Fig.4}	P value _{(180min-FC)-(0min+FC)}	0.0008 ^a	0.2959 ^a	<0.0001 ^a	0.5998 ^a	-	<0.0001 ^a	<0.0001 ^a	0.0079 ^b
	0 min - FC	-	-	-	-	21.8 $\mu\text{m}^3 \pm 2.0$	-	-	-
	180 min + FC	-	-	-	-	14.9 $\mu\text{m}^3 \pm 1.3$	-	-	-
	Percentage _{(180min+FC)-(0min-FC)}	-	-	-	-	-31.7%	-	-	-
	P value _{(180min+FC)-(0min-FC)}	-	-	-	-	0.0280 ^a	-	-	-
ClopHensor _{Fig.53}	0 min - FC	379.5 $\mu\text{m}^3 \pm 50.6$	259.2 $\mu\text{m}^3 \pm 48.6$	92.9 $\mu\text{m}^3 \pm 11.6$	27.4 $\mu\text{m}^3 \pm 5.5$	-	24.8 % ± 4.3	67.9% ± 4.3	3.1 ± 0.5
	180 min + FC	533.4 $\mu\text{m}^3 \pm 63.7$	258.6 $\mu\text{m}^3 \pm 60.2$	249.5 $\mu\text{m}^3 \pm 24.8$	25.3 $\mu\text{m}^3 \pm 3.7$	-	47.2% ± 5.8	48.0% ± 6.2	4.4 ± 0.2
	Percentage _{(180min+FC)-(0min-FC)}	40,60%	-0,20%	168,60%	-7,70%	-	-	-	41,90%
	P value _{(180min+FC)-(0min-FC)}	0.0022 ^b	1.0000 ^b	0.0022 ^b	0.3939 ^b	-	0.0022 ^b	0.0022 ^b	0.1000 ^b

a=t test; b= Mann-Whitney; CS=control solution; FC= Fusicoccin.