

Table S1. Quantification of cytoskeletal recruitment in the leading zone of the pLLp

	Par3-tagRFP			γ-tubulin			F-actin		
	DMSO	SU5402	PD0325901	DMSO	SU5402	PD0325901	DMSO	SU5402	PD0325901
Mean	11.8%	13.5%	11%	10.2%	10.1%	11.3%	19.2%	15.36%	21.3%
s.e.m.	0.52%	0.97%	0.88%	0.62%	0.7%	0.71%	0.39%	1%	0.92%
<i>P</i> -value		0.67			0.88			0.156	
	Myosin II			Cadherin 2					
	DMSO	SU5402	PD0325901	DMSO	SU5402	PD0325901			
Mean	17.7%	18.9%	16.1%	17.6%	19%	16.5%			
s.e.m.	0.51%	0.45%	1.2%	1.13%	0.55%	0.93%			
<i>P</i> -value		0.369			0.407				

To calculate means, cells were counted from $n=6$ pLLps in each condition. Data were analyzed using one-way ANOVA.

Table S2. Pairwise comparisons between Rockout and Ras-MAPK synergy conditions

	DMSO	10 μ M Rockout	36°C HS	0.5 μ M PD0325901	36°C HS/10 μ M Rockout	10 μ M Rockout/0.5 μ M PD0325901
Mean \pm s.e.m.	22.7 \pm 4.4%	23.3 \pm 6.6%	24.5 \pm 4.5%	24.3 \pm 3.8%	33.4 \pm 6.0%	32.1 \pm 7.1%
DMSO		0.9996	0.9546	0.971	0.0002	0.0014
10 μ M Rockout			0.9948	0.9977	0.0008	0.0048
36°C HS				1	0.0028	0.0166
0.5 μ M PD0325901					0.0022	0.0132
36°C HS/10 μ M Rockout						0.9912
10 μ M Rockout/0.5 μ M PD0325901						

To calculate means, cells were counted from $n=10$ pLLps in each condition. *P*-values were derived from Tukey-Kramer post-hoc tests. Heat shock (HS) conditions were 40 minutes at 36°C.