

Table S1: Data from the analysis of *hairyl* expression relating to the experiments of Figure 7. Data from the analysis of explant pairs cultured for the designated times. Columns represent replicates for each of the periods tested and each treatment. diff – different.; nd – not done.

Number of <i>hairyl</i> expression stripes formed during culture							Average
6 hours + 0 minutes							
DMSO	4	4	4	nd	nd	nd	4.0
DMSO + 0 min	4	4	4	nd	nd	nd	4.0
Blebb	3	3	3	3	nd	nd	3.0
Blebb + 0 min	3	3	3	3	nd	nd	3.0
6 hours + 60 minutes							
DMSO	4	4	4	4	4	nd	4.0
DMSO + 60 min	5	5	5	4	4	nd	4.6
Blebb	3	3	3	3	2	nd	2.8
Blebb +6 0 min	4	3	3	3	3	nd	3.2
6 hours + 90 minutes							
DMSO	4	4	4	4	5	nd	4.2
DMSO + 90 min	5	5	5	5	6	nd	5.2
Blebb	3	2	3	4	nd	nd	3.0
Blebb + 90 min	3	3	4	4	nd	nd	3.5
6 hours + 120 minutes							
DMSO	4	4	4	nd	nd	nd	4.0
DMSO +120 min	5	5	5	nd	nd	nd	5.0
Blebb	3	3	3	3	3	3	3.0
Blebb + 120 min	4	4	4	4	4	3	3.8

Number of somitic structures formed in culture*							Average
6 hours + 0 minutes							
DMSO	4	4	4	nd	nd	nd	4.0
DMSO + 0 min	4	4	4	nd	nd	nd	4.0
Blebb	1	1	0	0	nd	nd	0.5
Blebb + 0 min	1	1	1	1	nd	nd	1.0
6 hours + 60 minutes							
DMSO	4	4	4	4	4	nd	4.0
DMSO + 60 min	5	5	5	4	4	nd	4.6
Blebb	2	1	0	1	1	nd	1.0
Blebb +6 0 min	1	2	0	2	1	nd	1.2
6 hours + 90 minutes							
DMSO	4	4	4	4	5	nd	4.2
DMSO + 90 min	5	5	5	5	6	nd	5.2
Blebb	1	0	0	0	nd	nd	0.3
Blebb + 90 min	1	1	0	0	nd	nd	0.5
6 hours + 120 minutes							
DMSO	4	4	4	nd	nd	nd	4.0
DMSO +120 min	5	5	5	nd	nd	nd	5.0
Blebb	0	1	1	0	1	1	0.7
Blebb + 120 min	1	1	1	0	1	1	0.8

*Somitic structures in Blebbistatin-cultured explants are always ill-defined.

Hairy1 expression pattern of the two explant pairs after culture							Conclusion
6 hours + 0 minutes							
DMSO	Same	Same	Same	nd	nd	nd	100% same
DMSO + 0 min							
Blebb	Same	Same	Same	Same	nd	nd	100% same
Blebb + 0 min							
6 hours + 60 minutes							
DMSO	Different	Different	Different	Different	Different	nd	100% diff
DMSO + 60 min							
Blebb	Different	Different	Different	Different	Different	nd	100% diff
Blebb + 60 min							
6 hours + 90 minutes							
DMSO	Same	Same	Same	Same	Same	nd	100% same
DMSO + 90 min							
Blebb	Different	Different	Different	Different	nd	nd	100% diff
Blebb + 90 min							
6 hours + 120 minutes							
DMSO	Different	Different	Different	nd	nd	nd	100% diff
DMSO + 120 min							
Blebb	Same	Same	Same	Same	Same	Different	83% same
Blebb + 120 min							