

LRtype	LR	The analysis of cell-cell communication showed the regulatory intnsity between FBs and VSMCs 1 was in a relative low level, hence, the interaction between FBs and VSMCs 1 via CXCL12-ACKR3 was not shown in our figures	
interacting pair	CXCL12 >> ACKR3		
id cp interaction	CPI-SS0976BA7F0		
partner a	simple:P48061		
partner b	simple:P25106		
ensembl a	ENSG00000107562		
ensembl b	ENSG00000144476		
source	guidetopharmacology.org		
secreted	TRUE		
is integrin	FALSE		
rank	0.294	significance of cell-cell communication between clusters	regulatory intensity of cell-cell communication between clusters
FBs 7 >> VSMCs 1		1	0.282
FBs 7 >> VSMCs 2		1	0.265
FBs 7 >> VSMCs 3		1	0.551
FBs 7 >> VSMCs 4		1	0.311
FBs 7 >> VSMCs 5		1	0.33
FBs 7 >> VSMCs 6		1	0.693
FBs 7 >> VSMCs 7		1	0.267
FBs 7 >> VSMCs 8		1	0.509
VSMCs 1 >> FBs 7		0	1.685
VSMCs 2 >> FBs 7		0.782	1.112
VSMCs 3 >> FBs 7		1	0.816
VSMCs 4 >> FBs 7		1	0.694
VSMCs 5 >> FBs 7		1	0.855
VSMCs 6 >> FBs 7		1	0.938
VSMCs 7 >> FBs 7		1	0.704
VSMCs 8 >> FBs 7		1	0.735
FBs 1 >> FBs 1		0	1.368
FBs 1 >> FBs 2		0.971	1.083
FBs 1 >> FBs 3		0.189	1.193
FBs 1 >> FBs 4		0	1.292
FBs 1 >> FBs 5		1	0.956
FBs 1 >> FBs 6		0	1.419
FBs 1 >> FBs 7		1	0.692
FBs 1 >> FBs 8		1	0.143
FBs 1 >> FBs 9		0	1.28
FBs 1 >> VSMCs 1		1	0.109
FBs 1 >> VSMCs 2		1	0.092
FBs 1 >> VSMCs 3		1	0.378
FBs 1 >> VSMCs 4		1	0.138
FBs 1 >> VSMCs 5		1	0.157
FBs 1 >> VSMCs 6		1	0.52
FBs 1 >> VSMCs 7		1	0.094
FBs 1 >> VSMCs 8		1	0.336
FBs 2 >> FBs 1		0	1.505
FBs 2 >> FBs 2		0	1.22
FBs 2 >> FBs 3		0	1.331
FBs 2 >> FBs 4		0	1.429
FBs 2 >> FBs 5		1	1.093
FBs 2 >> FBs 6		0	1.556

FBs 2 >> FBs 7		1	0. 829
FBs 2 >> FBs 8		1	0. 28
FBs 2 >> FBs 9		0	1. 417
FBs 2 >> VSMCs 1		1	0. 246
FBs 2 >> VSMCs 2		1	0. 229
FBs 2 >> VSMCs 3		1	0. 515
FBs 2 >> VSMCs 4		1	0. 275
FBs 2 >> VSMCs 5		1	0. 295
FBs 2 >> VSMCs 6		1	0. 657
FBs 2 >> VSMCs 7		1	0. 231
FBs 2 >> VSMCs 8		1	0. 474
FBs 3 >> FBs 1		1	1. 338
FBs 3 >> FBs 2		1	1. 053
FBs 3 >> FBs 3		1	1. 163
FBs 3 >> FBs 4		1	1. 262
FBs 3 >> FBs 5		1	0. 926
FBs 3 >> FBs 6		1	1. 389
FBs 3 >> FBs 7		1	0. 662
FBs 3 >> FBs 8		1	0. 113
FBs 3 >> FBs 9		1	1. 25
FBs 3 >> VSMCs 1		1	0. 079
FBs 3 >> VSMCs 2		1	0. 062
FBs 3 >> VSMCs 3		1	0. 348
FBs 3 >> VSMCs 4		1	0. 108
FBs 3 >> VSMCs 5		1	0. 127
FBs 3 >> VSMCs 6		1	0. 49
FBs 3 >> VSMCs 7		1	0. 064
FBs 3 >> VSMCs 8		1	0. 306
FBs 4 >> FBs 1		0	1. 476
FBs 4 >> FBs 2		0. 221	1. 192
FBs 4 >> FBs 3		0	1. 302
FBs 4 >> FBs 4		0	1. 401
FBs 4 >> FBs 5		0. 968	1. 064
FBs 4 >> FBs 6		0	1. 527
FBs 4 >> FBs 7		1	0. 801
FBs 4 >> FBs 8		1	0. 251
FBs 4 >> FBs 9		0	1. 389
FBs 4 >> VSMCs 1		1	0. 218
FBs 4 >> VSMCs 2		1	0. 201
FBs 4 >> VSMCs 3		1	0. 486
FBs 4 >> VSMCs 4		1	0. 246
FBs 4 >> VSMCs 5		1	0. 266
FBs 4 >> VSMCs 6		1	0. 628
FBs 4 >> VSMCs 7		1	0. 203
FBs 4 >> VSMCs 8		1	0. 445
FBs 5 >> FBs 1		0	1. 969
FBs 5 >> FBs 2		0	1. 684
FBs 5 >> FBs 3		0	1. 795
FBs 5 >> FBs 4		0	1. 894
FBs 5 >> FBs 5		0	1. 557

FBs 5 >> FBs 6		0	2.02
FBs 5 >> FBs 7		0	1.294
FBs 5 >> FBs 8		1	0.744
FBs 5 >> FBs 9		0	1.881
FBs 5 >> VSMCs 1		1	0.711
FBs 5 >> VSMCs 2		1	0.693
FBs 5 >> VSMCs 3		1	0.979
FBs 5 >> VSMCs 4		1	0.739
FBs 5 >> VSMCs 5		1	0.759
FBs 5 >> VSMCs 6		0.75	1.121
FBs 5 >> VSMCs 7		1	0.695
FBs 5 >> VSMCs 8		1	0.938
FBs 6 >> FBs 1		0	1.431
FBs 6 >> FBs 2		0.75	1.146
FBs 6 >> FBs 3		0	1.256
FBs 6 >> FBs 4		0	1.355
FBs 6 >> FBs 5		1	1.018
FBs 6 >> FBs 6		0	1.482
FBs 6 >> FBs 7		1	0.755
FBs 6 >> FBs 8		1	0.205
FBs 6 >> FBs 9		0	1.343
FBs 6 >> VSMCs 1		1	0.172
FBs 6 >> VSMCs 2		1	0.155
FBs 6 >> VSMCs 3		1	0.441
FBs 6 >> VSMCs 4		1	0.201
FBs 6 >> VSMCs 5		1	0.22
FBs 6 >> VSMCs 6		1	0.582
FBs 6 >> VSMCs 7		1	0.157
FBs 6 >> VSMCs 8		1	0.399
FBs 7 >> FBs 1		0	1.541
FBs 7 >> FBs 2		0	1.256
FBs 7 >> FBs 3		0	1.367
FBs 7 >> FBs 4		0	1.465
FBs 7 >> FBs 5		0.907	1.129
FBs 7 >> FBs 6		0	1.592
FBs 7 >> FBs 7		1	0.865
FBs 7 >> FBs 8		1	0.316
FBs 7 >> FBs 9		0	1.453
FBs 8 >> FBs 1		0	2.234
FBs 8 >> FBs 2		0	1.949
FBs 8 >> FBs 3		0	2.059
FBs 8 >> FBs 4		0	2.158
FBs 8 >> FBs 5		0	1.822
FBs 8 >> FBs 6		0	2.285
FBs 8 >> FBs 7		0	1.558
FBs 8 >> FBs 8		1	1.009
FBs 8 >> FBs 9		0	2.146
FBs 8 >> VSMCs 1		1	0.975
FBs 8 >> VSMCs 2		1	0.958
FBs 8 >> VSMCs 3		0.09	1.244

FBs 8 >> VSMCs 4		1	1.004
FBs 8 >> VSMCs 5		1	1.023
FBs 6 >> VSMCs 6		0	1.386
FBs 8 >> VSMCs 7		1	0.96
FBs 8 >> VSMCs 8		0.125	1.202
FBs 9 >> FBs 1		0	1.363
FBs 9 >> FBs 2		1	1.078
FBs 9 >> FBs 3		0.253	1.189
FBs 9 >> FBs 4		0	1.287
FBs 9 >> FBs 5		1	0.951
FBs 9 >> FBs 6		0	1.414
FBs 9 >> FBs 7		1	0.687
FBs 9 >> FBs 8		1	0.138
FBs 9 >> FBs 9		0	1.275
FBs 9 >> VSMCs 1		1	0.104
FBs 9 >> VSMCs 2		1	0.087
FBs 9 >> VSMCs 3		1	0.373
FBs 9 >> VSMCs 4		1	0.133
FBs 9 >> VSMCs 5		1	0.152
FBs 9 >> VSMCs 6		1	0.515
FBs 9 >> VSMCs 7		1	0.089
FBs 9 >> VSMCs 8		1	0.331
VSMCs 1 >> FBs 1		0	2.361
VSMCs 1 >> FBs 2		0	2.076
VSMCs 1 >> FBs 3		0	2.186
VSMCs 1 >> FBs 4		0	2.285
VSMCs 1 >> FBs 5		0	1.948
VSMCs 1 >> FBs 6		0	2.412
VSMCs 1 >> FBs 7		1	1.136
VSMCs 1 >> FBs 8		0	2.273
VSMCs 1 >> VSMCs 1		1	1.102
VSMCs 1 >> VSMCs 2		1	1.085
VSMCs 1 >> VSMCs 3		0	1.371
VSMCs 1 >> VSMCs 4		1	1.131
VSMCs 1 >> VSMCs 5		1	1.15
VSMCs 1 >> VSMCs 6		0	1.512
VSMCs 1 >> VSMCs 7		1	1.087
VSMCs 1 >> VSMCs 8		0.064	1.329
VSMCs 2 >> FBs 1		0	1.787
VSMCs 2 >> FBs 2		0	1.503
VSMCs 2 >> FBs 3		0	1.613
VSMCs 2 >> FBs 4		0	1.712
VSMCs 2 >> FBs 5		0	1.375
VSMCs 2 >> FBs 6		0	1.838
VSMCs 2 >> FBs 7		1	0.562
VSMCs 2 >> FBs 8		0	1.699
VSMCs 2 >> VSMCs 1		1	0.529
VSMCs 2 >> VSMCs 2		1	0.511
VSMCs 2 >> VSMCs 3		1	0.797
VSMCs 2 >> VSMCs 4		1	0.557

VSMCs 2 >> VSMCs 5		1	0. 577
VSMCs 2 >> VSMCs 6		1	0. 939
VSMCs 2 >> VSMCs 7		1	0. 513
VSMCs 2 >> VSMCs 8		1	0. 756
VSMCs 3 >> FBs 1		0	1. 491
VSMCs 3 >> FBs 2		0. 16	1. 207
VSMCs 3 >> FBs 3		0	1. 317
VSMCs 3 >> FBs 4		0	1. 416
VSMCs 3 >> FBs 5		1	1. 079
VSMCs 3 >> FBs 6		0	1. 542
VSMCs 3 >> FBs 7		1	0. 266
VSMCs 3 >> FBs 8		0	1. 403
VSMCs 3 >> VSMCs 1		1	0. 233
VSMCs 3 >> VSMCs 2		1	0. 215
VSMCs 3 >> VSMCs 3		1	0. 501
VSMCs 3 >> VSMCs 4		1	0. 261
VSMCs 3 >> VSMCs 5		1	0. 281
VSMCs 3 >> VSMCs 6		1	0. 643
VSMCs 3 >> VSMCs 7		1	0. 218
VSMCs 3 >> VSMCs 8		1	0. 46
VSMCs 4 >> FBs 1		1	1. 37
VSMCs 4 >> FBs 2		1	1. 085
VSMCs 4 >> FBs 3		1	1. 196
VSMCs 4 >> FBs 4		1	1. 294
VSMCs 4 >> FBs 5		1	0. 958
VSMCs 4 >> FBs 6		1	1. 421
VSMCs 4 >> FBs 7		1	0. 145
VSMCs 4 >> FBs 8		1	1. 282
VSMCs 4 >> VSMCs 1		1	0. 111
VSMCs 4 >> VSMCs 2		1	0. 094
VSMCs 4 >> VSMCs 3		1	0. 38
VSMCs 4 >> VSMCs 4		1	0. 14
VSMCs 4 >> VSMCs 5		1	0. 16
VSMCs 4 >> VSMCs 6		1	0. 522
VSMCs 4 >> VSMCs 7		1	0. 096
VSMCs 4 >> VSMCs 8		1	0. 338
VSMCs 5 >> FBs 1		0	1. 531
VSMCs 5 >> FBs 2		0	1. 246
VSMCs 5 >> FBs 3		0	1. 357
VSMCs 5 >> FBs 4		0	1. 455
VSMCs 5 >> FBs 5		0. 753	1. 119
VSMCs 5 >> FBs 6		0	1. 582
VSMCs 5 >> FBs 7		1	0. 306
VSMCs 5 >> FBs 8		0	1. 443
VSMCs 5 >> VSMCs 1		1	0. 272
VSMCs 5 >> VSMCs 2		1	0. 255
VSMCs 5 >> VSMCs 3		1	0. 541
VSMCs 5 >> VSMCs 4		1	0. 301
VSMCs 5 >> VSMCs 5		1	0. 321
VSMCs 5 >> VSMCs 6		1	0. 683

VSMCs 5 >> VSMCs 7		1	0.257
VSMCs 5 >> VSMCs 8		1	0.5
VSMCs 6 >> FBs 1		0	1.614
VSMCs 6 >> FBs 2		0	1.329
VSMCs 6 >> FBs 3		0	1.44
VSMCs 6 >> FBs 4		0	1.538
VSMCs 6 >> FBs 5		0.282	1.202
VSMCs 6 >> FBs 6		0	1.665
VSMCs 6 >> FBs 7		1	0.389
VSMCs 6 >> FBs 8		0	1.526
VSMCs 6 >> VSMCs 1		1	0.355
VSMCs 6 >> VSMCs 2		1	0.338
VSMCs 6 >> VSMCs 3		1	0.624
VSMCs 6 >> VSMCs 4		1	0.384
VSMCs 6 >> VSMCs 5		1	0.403
VSMCs 6 >> VSMCs 6		1	0.766
VSMCs 6 >> VSMCs 7		1	0.34
VSMCs 6 >> VSMCs 8		1	0.582
VSMCs 7 >> FBs 1		0	1.379
VSMCs 7 >> FBs 2		0.875	1.095
VSMCs 7 >> FBs 3		0.244	1.205
VSMCs 7 >> FBs 4		0	1.304
VSMCs 7 >> FBs 5		1	0.967
VSMCs 7 >> FBs 6		0	1.43
VSMCs 7 >> FBs 7		1	0.154
VSMCs 7 >> FBs 8		0.029	1.292
VSMCs 7 >> VSMCs 1		1	0.121
VSMCs 7 >> VSMCs 2		1	0.104
VSMCs 7 >> VSMCs 3		1	0.389
VSMCs 7 >> VSMCs 4		1	0.149
VSMCs 7 >> VSMCs 5		1	0.169
VSMCs 7 >> VSMCs 6		1	0.531
VSMCs 7 >> VSMCs 7		1	0.106
VSMCs 7 >> VSMCs 8		1	0.348
VSMCs 8 >> FBs 1		1	1.411
VSMCs 8 >> FBs 2		1	1.126
VSMCs 8 >> FBs 3		1	1.236
VSMCs 8 >> FBs 4		1	1.335
VSMCs 8 >> FBs 5		1	0.999
VSMCs 8 >> FBs 6		1	1.462
VSMCs 8 >> FBs 7		1	0.186
VSMCs 8 >> FBs 8		1	1.323
VSMCs 8 >> VSMCs 1		1	0.152
VSMCs 8 >> VSMCs 2		1	0.135
VSMCs 8 >> VSMCs 3		1	0.421
VSMCs 8 >> VSMCs 4		1	0.181
VSMCs 8 >> VSMCs 5		1	0.2
VSMCs 8 >> VSMCs 6		1	0.563
VSMCs 8 >> VSMCs 7		1	0.137
VSMCs 8 >> VSMCs 8		1	0.379