

**C6 vs Regulator**

Heatmap visualization showing the correlation between C6 and various Regulators. The color scale ranges from red (negative correlation) to blue (positive correlation). The heatmap is divided into two main sections: the top section shows negative correlations (red) for regulators like IPA\_SNAI1, IPA\_MITF\_UP, IPA\_MYRF\_UP, IPA\_SOX1\_UP, IPA\_ZEB1, IPA\_ELF2, IPA\_LMO1\_DN, IPA\_SKI\_UP, IPA\_LEF1, IPA\_IRF5\_DN, IPA\_SUB1\_DN, IPA\_REL, IPA\_SOX10\_UP, IPA\_SCXA\_UP, IPA\_SNAI2, IPA\_SKI, IPA\_TFE3, IPA\_KAT2B\_DN, IPA\_POU3F1\_DN, IPA\_TFE3\_UP, IPA\_GRHL2\_UP, V\$AREB6\_03, IPA\_TEF\_UP, IPA\_MMP3, IPA\_NCOA1, IPA\_HNF1A\_DN, IPA\_SNAI1\_DN, IPA\_NEUROD6\_DN, IPA\_SPDEF, IPA\_HBP1\_UP, IPA\_SPIC\_UP, IPA\_ELF3\_DN, IPA\_IRF5, IPA\_ELF2\_DN, IPA\_OVOL1\_UP, IPA\_CBX2\_DN, IPA\_KLF8\_DN, IPA\_TEAD2\_DN, and IPA\_SPIC. The bottom section shows positive correlations (blue) for regulators like IPA\_ZEB1\_DN.

Regulator	IC(Δ)	P-val	FDR
IPA_SNAI1	-0.728(0.028)	1.92e-04	1.18e-02
IPA_MITF_UP	-0.713(0.031)	1.92e-04	1.18e-02
IPA_MYRF_UP	-0.706(0.034)	1.92e-04	1.18e-02
IPA_SOX1_UP	-0.684(0.026)	1.92e-04	1.18e-02
IPA_ZEB1	-0.673(0.024)	1.92e-04	1.18e-02
IPA_ELF2	-0.671(0.013)	1.92e-04	1.18e-02
IPA_LMO1_DN	-0.670(0.030)	1.92e-04	1.18e-02
IPA_SKI_UP	-0.642(0.035)	1.92e-04	1.18e-02
IPA_LEF1	-0.636(0.052)	1.92e-04	1.18e-02
IPA_IRF5_DN	-0.632(0.077)	1.92e-04	1.18e-02
IPA_SUB1_DN	-0.626(0.035)	1.92e-04	1.18e-02
IPA_REL	-0.615(0.106)	1.92e-04	1.18e-02
IPA_SOX10_UP	-0.613(0.033)	1.92e-04	1.18e-02
IPA_SCXA_UP	-0.605(0.012)	1.92e-04	1.18e-02
IPA_SNAI2	-0.603(0.047)	1.92e-04	1.18e-02
IPA_SKI	-0.598(0.033)	1.92e-04	1.18e-02
IPA_TFE3	-0.597(0.006)	1.92e-04	1.18e-02
IPA_KAT2B_DN	-0.596(0.028)	1.92e-04	1.18e-02
IPA_POU3F1_DN	-0.589(0.036)	1.92e-04	1.18e-02
IPA_TFE3_UP	0.642(0.045)	1.92e-04	2.04e-03
IPA_GRHL2_UP	0.642(0.040)	1.92e-04	2.04e-03
V\$AREB6_03	0.642(0.047)	1.92e-04	2.04e-03
IPA_TEF_UP	0.644(0.059)	1.92e-04	2.04e-03
IPA_MMP3	0.646(0.032)	1.92e-04	2.04e-03
IPA_NCOA1	0.647(0.033)	1.92e-04	2.04e-03
IPA_HNF1A_DN	0.648(0.042)	1.92e-04	2.04e-03
IPA_SNAI1_DN	0.654(0.036)	1.92e-04	2.04e-03
IPA_NEUROD6_DN	0.664(0.026)	1.92e-04	2.04e-03
IPA_SPDEF	0.666(0.054)	1.92e-04	2.04e-03
IPA_HBP1_UP	0.666(0.054)	1.92e-04	2.04e-03
IPA_SPIC_UP	0.668(0.034)	1.92e-04	2.04e-03
IPA_ELF3_DN	0.671(0.031)	1.92e-04	2.04e-03
IPA_IRF5	0.672(0.049)	1.92e-04	2.04e-03
IPA_ELF2_DN	0.689(0.028)	1.92e-04	2.04e-03
IPA_OVOL1_UP	0.692(0.016)	1.92e-04	2.04e-03
IPA_CBX2_DN	0.693(0.010)	1.92e-04	2.04e-03
IPA_KLF8_DN	0.703(0.037)	1.92e-04	2.04e-03
IPA_TEAD2_DN	0.709(0.031)	1.92e-04	2.04e-03
IPA_SPIC	0.721(0.034)	1.92e-04	2.04e-03
IPA_ZEB1_DN			