

Additional File 1

Table S1: The petal subnetworks identified and the bimodality scores calculated against the proteomics targets for each petal are listed

Rank	Petal	Bimodality (β)	p-value	Petal Size	Petal Nodes
1	<i>Hapln1</i>	-0.00037	0.0068	12	<i>Acvrl1, Apc, Ctnnb1, Egfr, Fgfr1, Hapln1, Mmp2, Mmp3, Mmp9, Src, Tgfb1, Tgfbr1</i>
2	<i>Kras</i>	-0.001257	0.0157	7	<i>Apc, Bcl2, Bcl2l10, Cdk2, Kras, Mapk8, Prkaca</i>
3	<i>Prkd1</i>	-0.000239	0.0167	35	<i>Apc, Apc2, Ar, Bcl2l1, Casp8, Ctnnb1, Cxcr4, Egfr, Fyn, Gna13, Grik2, Igf1, Igf1r, Kdr, Lyn, Map4k1, Mapk8, Nr5a1, Pdgfrb, Pecan1, Pik3r1, Pkd1, Prkaca, Prkd1, Psen2, Ptk2, Ptpn6, Rara, Shc1, Smad3, Src, Stat1, Tbl1x, Tcf3, Tgfbr1</i>
4	<i>Mmp2</i>	-0.000263	0.0198	11	<i>Acvrl1, Apc, Csnk2a1, Ctnnb1, Fgfr1, Itgav, Mmp2, Prkaca, Ptk2, Src, Tgfb1</i>
5	<i>Exoc4</i>	-0.000232	0.0202	8	<i>Apc, Cdh2, Ctnnb1, Exoc4, Fyn, Gna13, Grin2b, Src</i>
6	<i>P2rx7</i>	-0.000328	0.0212	11	<i>Acta1, Actb, Apc, Ar, Ctnnb1, Egfr, P2rx7, Ptk2, Rac1, Smad3, Svll</i>
7	<i>Evl</i>	-0.000125	0.0223	6	<i>Apc, Casp8, Ctnnb1, Evl, Fyn, Src</i>
8	<i>Sfrs6</i>	-0.000209	0.0245	16	<i>Apc, Clk1, Ctnna1, Ctnnb1, Egfr, Gna13, Pik3r1, Prkaca, Psen2, Ptk2, Ptk2b, Rara, Sfrs6, Smad4, Src, Srpkl</i>
9	<i>Epha3</i>	-0.000197	0.0264	8	<i>Apc, Ctnnb1, Epha3, Nr5a1, Pdgfrb, Ptk2, Shc1, Src</i>
10	<i>Lmo7</i>	-0.000077	0.0287	3	<i>Apc, Ctnnb1, Lmo7</i>
11	<i>Syne1</i>	-0.000267	0.0294	10	<i>Actc1, Apc, Cdk5r1, Ctnnb1, Egfr, Gna13, Rara, Smad3, Src, Syne1</i>
12	<i>Hist1h1b</i>	-0.00015	0.0382	35	<i>Acvrl1, Apc, Ar, Axin1, Axin2, Bcl2, Bcl2l1, Cdh2, Cdk2, Chuk, Ctnnb1, Cxcr4, Egfr, Fgfr1, Fyn, Gna13, Hist1h1b, Kdr, Lox, Mapk8, Melk, Met, Pdgfrb, Pik3r1, Pkd1, Prkaca, Psen2, Ptk2, Rara, Shc1, Smad2, Smad3, Src, Stat1, Tgfbr1</i>
13	<i>Slc29a1</i>	-0.000132	0.0437	6	<i>Apc, Cebpa, Ctnnb1, Pax3, Sox10, Slc29a1</i>
14	<i>Nf1</i>	-0.000088	0.0566	6	<i>Apc, Ctnnb1, Grin1, Grin2d, Nf1, Tbl1x</i>
15	<i>Pkhd1</i>	-0.000078	0.0584	10	<i>Apc, Ccr5, Ctnnb1, Cxcr4, Ednrb, Gna13, Jak2, Pkhd1, Ptk2, Stat1</i>
16	<i>Lrp2</i>	-0.000203	0.0672	14	<i>Apc, Cdh3, Csnk2a1, Ctnnb1, Fyn, Kdr, Lrp2, Ncoa2, Pik3r1, Ptk2, Rara, Src, Tbl1x, Tgfbr1</i>
17	<i>Smad3</i>	-0.000413	0.0908	3	<i>Apc, Ctnnb1, Smad3</i>
18	<i>Smad4</i>	-0.000021	0.1120	3	<i>Apc, Ctnnb1, Smad4</i>
19	<i>Pknor1</i>	-0.000185	0.1142	11	<i>Apc, Axin2, Csnk2a1, Ctnnb1, Dvl3, Kdr, Pknor1, Psen2, Smad3, Src, Tgfbr1</i>
20	<i>Cd46</i>	-0.000048	0.1606	13	<i>Apc, Cd46, Cdh2, Ctnnb1, Cxcr4, Egfr, Gna13, Nr5a1, Psen2, Ptk2, Shc1, Src, Tgfbr1</i>
21	<i>Smad2</i>	0.000011	0.6705	3	<i>Apc, Ctnnb1, Smad2</i>
22	<i>Runx1t1</i>	0.000026	0.7353	4	<i>Apc, Ctnnb1, Runx1t1, Tcf3</i>
23	<i>Tcf7l2</i>	0.000074	0.9546	3	<i>Apc, Ctnnb1, Tcf7l2</i>
24	<i>Ephb6</i>	0.000755	0.9973	5	<i>Apc, Ctnnb1, Egfr, Ephb6, Ptk2</i>