

**Figure 1-Supplemental 2: Detailed informations of the eight selected genes.**

Gene symbol	Gene	RefSeqGene	Chromosome	Methylation location	$\Delta$ methylation (%) ( $\beta$ WM266-4 - $\beta$ WM115) x 100	WM266-4 cells promotor methylation (%)	IPA Function
MYH1	myosin, heavy chain 1	NM_005963	17	cluster	75	82	Cellular assembly and organization, cancer
SOCS3	suppressor of cytokine signaling 3	NM_003955		Methylation peak	72	92	Cancer
RAC3	RAS-related C3 botulinum toxin substrate 3	NM_005052		Methylation peak	70	96	Cellular assembly and organization, cancer, cellular movement
HOXB2	homeobox B2	NM_002145		chromosome	45	69	Tissue development
PCDHB15	protocadherin beta 15	NM_018935	5	cluster	45	85	cell-to-cell signaling and interaction
PCDHB16	protocadherin beta 16	NM_020957		cluster	52	82	cell-to-cell signaling and interaction
BCL2L10	BCL2-like 10	NM_020396	15	chromosome	46	73	Cancer
Mir-155HG	Mir-155 Host Gene	NR_001458	21	other	32	74	Cancer