

Supplemental Table 3. Primer sequences used in the quantitative PCR analysis of the genes of interest.

Gene	Forward (5'-3')	Reverse (5'-3')
<i>SP140</i>	AGGATGGTCGCAGAGATCCA	TGGCCTTGTTATTGCACTTGC
<i>SP110</i>	CAGCACACCTTCAGACAAGAA	TCTCTACCGTGGAGTTACAAGTT
<i>SP100</i>	TCCATGACAAATTGCCTCTCC	GAGATGGGGAACCCGAAGG
<i>SP140L</i>	GGGCTGAACGGAGGTGTTT	AGTGT CATAGACAAGTCCCTCAT
<i>BRD2</i>	GTGGTTCTCGGCGGTAAG	ACACCCCGGATTACATACCC
<i>BRD3</i>	TTGGCAAACCTCATCTCAAA	GATGTCCGGCTGATGTTCTC
<i>BRD4</i>	GATGGTGCTTCTTCTGCTCC	AGTCCAGCTCCTCTGACAGC
<i>BRDT</i>	TCCCTTGAACGTGGTACAGG	GCAGGAGTTGTTGTATCTGCT
<i>BRD9</i>	GCAATGACATACAATAGGCCAGA	GAGCTGCCTGTTTGCTCATCA
<i>BAZ2A</i>	ATGGAAATGGAGGCAAACGAC	GAGACCCGTTAGTG TAGAGGC
<i>BAZ2B</i>	ATGGAGTCTGGAGAACGGTTA	AATGTCCACATGGGTTGATTGT
<i>EP300</i>	TCTGGTAAGTCGTGCTCCAA	GCGGCCTAAACTCTCATCTC
<i>PCAF</i>	CGAATCGCCGTGAAGAAAGC	CTTGCAGGCGGAGTACACT
<i>CREBBP</i>	CAACCCCAAAAGAGCCAAACT	CCTCGTAGAAGCTCCGACAGT
<i>CD64</i>	ACCCCATACAGCTGGAAATC	TTATCCTTCCACGCATGACA
<i>CD206</i>	GGGTTGCTATCACTCTCTATGC	TTTCTTGCTGTGTGCCGTAGTT
<i>CCL5</i>	CCAGCAGTCGTCTTTGTCAC	CTCTGGGTTGGCACACACTT
<i>CCL22</i>	CGCGTGGTGAAACACTTCTA	GGATCGGCACAGATCTCCT
<i>TNF</i>	ATGTTGTAGCAAACCCTCAAGC	GGACCTGGGAGTAGATGAGGT
<i>IL6</i>	AGTGAGGAACAAGCCAGAGC	GTCAGGGGTGGTTATTGCAT
<i>IL8</i>	AAATTTGGGGTGGAAGGTT	TCCTGATTTCTGCAGCTCTGT
<i>ACTB</i>	AATGTGGCCGAGGACTTTGA	TGGCTTTTAGGATGGCAAGG
<i>RPL37A</i>	CCAAACGTACCAAGAAAGTCGG	GCGTGCTGGCTGATTTCAA
<i>TSS-TNF</i>	GGGACATATAAAGGCAGTTGTTGG	TCCCTCTTAGCTGGTCCTCTGC
<i>TSS-IL6</i>	AATGAAACCATCCAGCCATCC	CAGAGACGGTGGTCCTCTGC

Supplemental Table 4. GSK761 screen against human BCPs (Bromoscan assay) reveals no binding at K_d of ≤ 30000 nM (for most of tested BCPs) and at K_d of ≤ 21000 nM for PBRM1(5), indicating a high degree of specificity of GSK761 for SP140

Compound Name	DiscoverX Gene Symbol	K_d (nM)
GSK761	ATAD2A	30000
GSK761	ATAD2B	30000
GSK761	BAZ2A	30000
GSK761	BAZ2B	30000
GSK761	BRD1	30000
GSK761	BRD2(1)	30000
GSK761	BRD2(1,2)	30000
GSK761	BRD2(2)	30000
GSK761	BRD3(1)	30000
GSK761	BRD3(1,2)	30000
GSK761	BRD3(2)	30000
GSK761	BRD4(1)	30000
GSK761	BRD4(1,2)	30000
GSK761	BRD4(2)	30000
GSK761	BRD4(full-length,short-iso.)	30000
GSK761	BRD7	30000
GSK761	BRD8(1)	30000
GSK761	BRD8(2)	30000
GSK761	BRD9	30000
GSK761	BRDT(1)	30000
GSK761	BRDT(1,2)	30000
GSK761	BRDT(2)	30000
GSK761	BRPF1	30000
GSK761	BRPF3	30000
GSK761	CECR2	30000
GSK761	CREBBP	30000
GSK761	EP300	30000
GSK761	FALZ	30000
GSK761	GCN5L2	30000
GSK761	PBRM1(2)	30000
GSK761	PBRM1(5)	21000
GSK761	PCAF	30000
GSK761	SMARCA2	30000
GSK761	SMARCA4	30000
GSK761	TAF1(2)	30000
GSK761	TAF1L(2)	30000
GSK761	TRIM24(Bromo.)	30000
GSK761	TRIM24(PHD,Bromo.)	30000
GSK761	TRIM33(PHD,Bromo.)	30000
GSK761	WDR9(2)	30000