

Supplemental data

Figure S1.

PC RET/PTC3, PC RET/PTC3(Y1015F) and RET/PTC3(Y1062F) cell lysates were immunoblotted with anti-RET, anti-phosphotyrosine (PY) or phosphorylation-specific anti-RET antibodies (*pY905*, *pY1015* or *pY1062*).

Figure S2.

Graphic representation of total gene expression changes (**panel A**: up-regulated genes and **panel B**: down-regulated genes) in RET/PTC3, BRAF(V600E) and HRAS(V12) cells versus baseline (PC). The total number of up-regulated and down-regulated genes is represented on the y-axis. Arrows indicate the Y1062-dependent genes or the RET/PTC3, BRAF(V600E) and HRAS(V12) common targets. The different groups of genes are highlighted. Average signal log ratio (ASLR) is reported.

Figure S3.

Graphic representation of the gene expression changes above the cutoff (fold-change >4). **Panel A**: up-regulated genes and **panel B**: down-regulated genes in RET/PTC3, BRAF(V600E) and HRAS(V12) cells versus baseline (PC). Gene expression changes were sorted for HRAS(V12) (A) or BRAF(V600E) (B). The number of up-regulated and down-regulated genes is represented on the y-axis. Arrows indicate the Y1062-dependent genes or the RET/PTC3, BRAF(V600E) and HRAS(V12) common targets. The different groups of genes are highlighted. Average signal log ratio (ASLR) is reported.

Table S2. Rat amplimers used for Q-RT-PCR experiments

Rat gene	Forward/ Reverse	5'-to-3' sequence	Rat gene	Forward/ Reverse	5'-to-3' sequence
ACTIN	F	GTCAGGCAGCTCATAGCTCT	VDUP	F	CAAGTTCGCCTTTGAGCTTC
	R	TCGTGCGTGACATTAAGAG		R	CCTTTTGGCAGACACTGGT
DUSP6	F	CTTCAGTAAGTTCAGGCCG	ADRA1B	F	CTCCAGCAAGGAGTTCAAGC
	R	GTAGAGTCCTTGGCACAGCC		R	CTTCCGCGACTGTGATCTCT
MMP3	F	GCTGAAGATGACAGGGAAGC	GCG	F	TGAATTTGAGAGGCATGCTG
	R	CTGGAGAATGTGAGTGGGGT		R	CAGCTATGGCGACTTCTTCC
MMP10	F	AAGTTCCTTGGGCTGGAGAT	PLA2G4A	F	CAGCTGGGACCAAAATGTCT
	R	TCTCAATGGCAGAATCCACA		R	CCTGCTGTCAGGGGTGTAG
USP18	F	CGTTCAGTGCCTCCAGAAAT	MIG6	F	GCAGTCGCAATGAGTTTGAA
	R	ACTCCTCGGTCCAGATTGTG		R	TCATCCAGAGATGGGTCTCT
CITED2	F	GAAGGACTGGAAATGGCAGA	PGF	F	TGCTGGGAACAACCTCAACAG
	R	GCGCCGTAGTGTATGTGCT		R	CAGCGACTCAGAAGGACACA
SPP1	F	GAGGAGAAGGCGCATTACAG	HHEX	F	ACTACACGCACGCCCTACTC
	R	ACAGAATCCTCGCTCTCTGC		R	CCAGACGCTTCTCTCAGGT
SGK	F	GAAGCTTGCCAACAACCTCT	PAK3	F	GGAGGAGGGGATAAAACCAA
	R	TGCCTTTCCGATCACTTTC		R	ATGTTGGAGGTTTGGAGCAG
TH2	F	ACACAGCGGAAGAGATTGCT	PEL1	F	TAATGGGTCTCTCCCAAACG
	R	GATGCTGTCTCTCGGTAGC		R	TGCTATGCTGGTCTTGTG
CA2	F	AGATGGACTGGCTGTTTGG	S100A6	F	AAGGAGGGTGACAAGCACAC
	R	GAGTGGTCAGAGAGCCAGGA		R	CCCAGGAAGGCAACATACTC
PI4K2B	F	TGCAAAATCAAGAGGCAAAA	CXCL1	F	AGACAGTGGCAGGGATTAC
	R	CTAATGTTCTCGGGCAAAGG		R	TGGACAATCTTCTGAACCAT
DYSF	F	CAGGAGGAGAGGAAGACACG	S100A4	F	GGTCTGGTCTCAACGGTCAC
	R	GATAGTGGGGAGGAGGATGG		R	AATGCAGCTTCGTCTGCTCT
MMP12	F	TTGCATGAGATCATGGA	CCL2	F	AGATGCAGTTAATGCCCCAC
	R	AGGAACAGGTTTGTGCCTTG		R	TGCTGAAGTCCTTAGGGTTGA
MMP13	F	GCCTTCAGAAAAGCCTTCAA	RDC1	F	TGGGAACCTGAAGGAAGGAG
	R	AAAAGCGTGTGCCAGAAGAC		R	CACTTCACTTCTTGGATACTGTGAA
LGALS3	F	CTGGGGCCTATCCTGCTACT	TMSB4x	F	ACAAACCCGATATGGCTGAG
	R	ATTGAAGCGGGGTTAAAGT		R	GAAGGCAATGCTTGTGGAAT
LGALS1	F	TCAAACCTGGGAATGTCTC			
	R	GCAGTCTCCCCTTGTCTGT			
IRF7	F	ATTTACGCCGTAGGGATCTG			
	R	ATCGGAAGTTGGTCTTCCAG			
FHL2	F	CTGTGCACCGACTGCTATTC			
	R	AAGCTCTTGGTCCGATGG			
ITGA1	F	AAAACGAAGAAGGCAAATGG			
	R	ACATTGGGGATCGATGTGTT			
ADM	F	CTCGACACTTCTCGCAGTT			
	R	AGACGTGCTCTGCTTGCTCT			
IRF8	F	CACCACCCTCCCTTGA			
	R	CAGGTGTCCAACAGCTTCC			
GAS6	F	TTCTGCTTGTGCAAAGATGG			
	R	CCCCACAGGTGTCTGAGTCT			
CREM	F	AGTCCCCAGCAACTAGCAGA			
	R	GATTTCAAGCACAGCCACA			
GIRA1	F	CTGCTTCCAAAGAGGCTGAC			
	R	TGTTGCAACTCACGTTTACA			

Table S3. Human amplimers used for RT-PCR experiments

Human gene	Forward/ Reverse	5'-to-3' sequence
b-actin	F	TGCGTGACATTAAGGAGAAG
	R	GCTCGTAGCTCTTCTCCA
ARPC1B	F	AAGAACAGCGTCAGCCAGAT
	R	CTTCAAGGCTGACTCCAAGC
RUNX1	F	GGCTGGCAATGATGAAAAC
	R	TGATGGCTCTGTGGTAGGTG
MMP3	F	TGCTTTGTCCTTTGATGCTG
	R	GGAAGAGATGGCCAAAATGA
MMP10	F	GAGGAGGACTCCAACAAGGA
	R	TCCAACCCAAGGAACTTCTG
DUSP6	F	GACTGGAACGAGAATACGGG
	R	AGCCGTCTAGATTGGTCTCG
SPP1	F	AAATACCCAGATGCTGTGGC
	R	ATCCATGTGGTCATGGCTTT
S100A6	F	GAAGGAGCTGAAGGAGCTGA
	R	TGGAAGTTCACCTCCTGGTC
CD44	F	GTTGTTTGCTGCACAGATGG
	R	AAGTCCCATCAGTGGTTTG

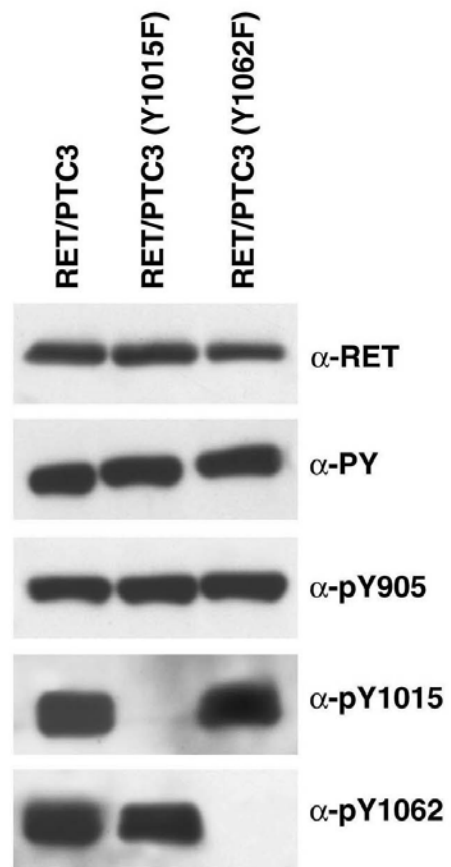


Fig.S1

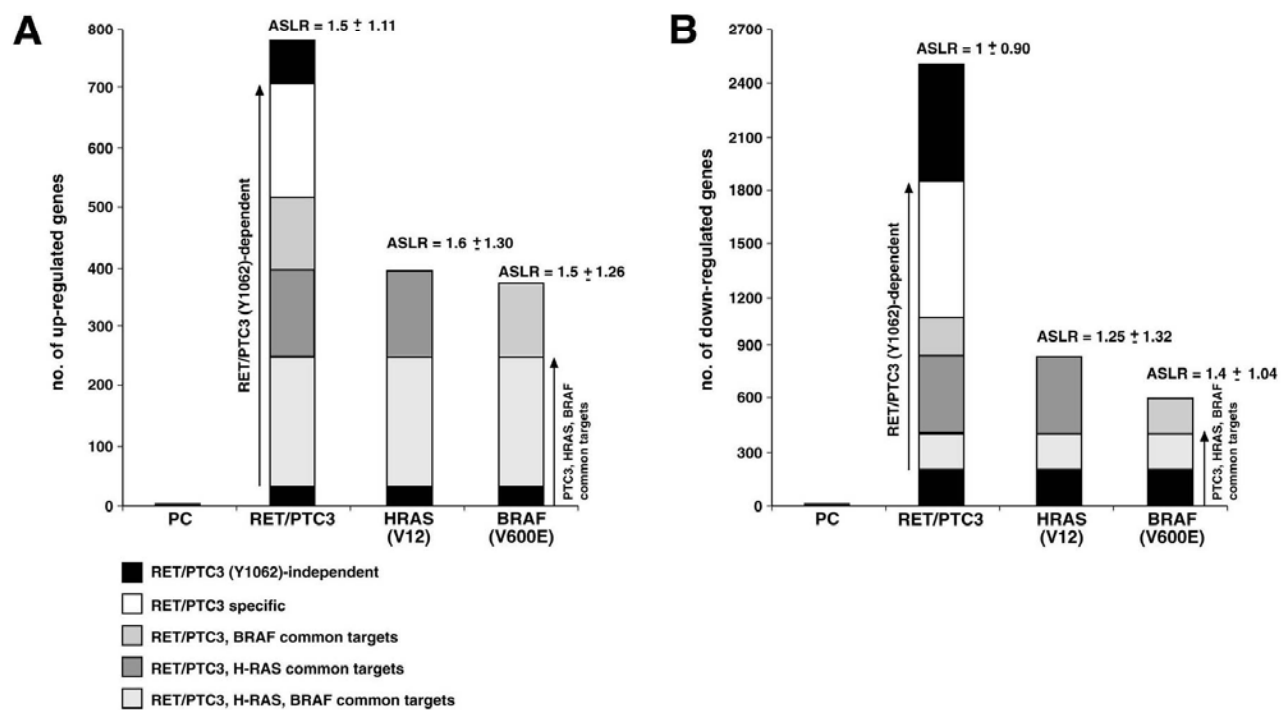


Fig. S2

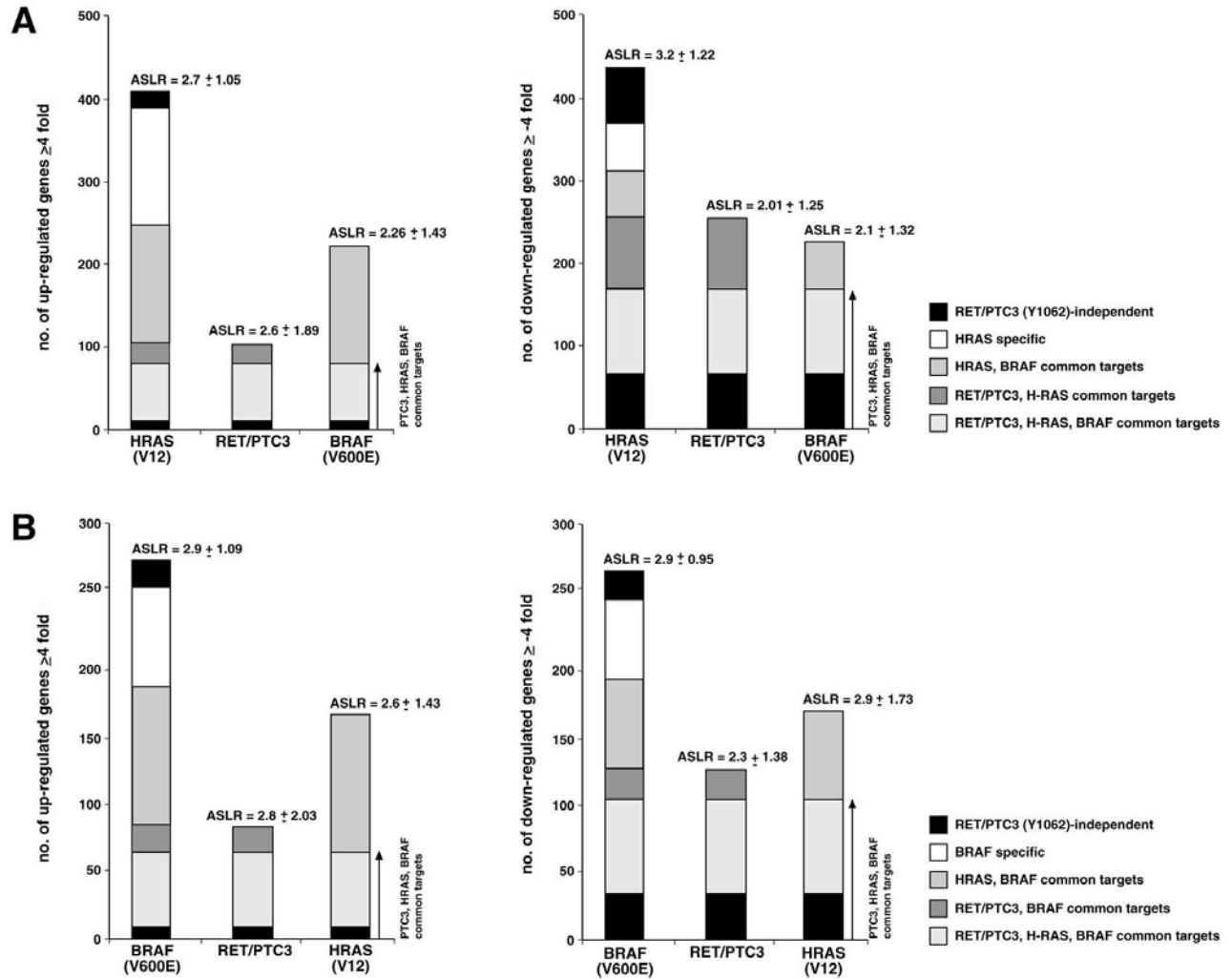


Fig.S3