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# **TFG, a target of chromosome translocations in lymphoma and soft tissue tumors, fuses to *GPR128* in healthy individuals**

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*Citation: Chase A, Ernst T, Fiebig A, Collins A, Grand F, Erben P, Reiter A, Schreiber S and NCP Cross. TFG, a target of chromosome translocations in lymphoma and soft tissue tumours, fuses to GPR128 in healthy individuals. Haematologica 2009; XXX doi:10.3324/haematol.2009.011536*

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Online supplementary Tables 1-3, refers to corresponding [pdf\\_haematol.2009.010876.Supplementary Tables.pdf](#)

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**Supplementary Table 1** Primers used for PCR amplification

<b>Amplification of TFG-GPR128 from cDNA</b>	
TFG.1F	ATGAACGGACAGTTGGATCTAA
GPR128.3R	AAGTAAAACCCATATAGGTACTAT
<b>Amplification Refractory Mutation System (ARMS) PCR from genomic DNA</b>	
TFG.genF	CCACAGCCTACCTGTGAGTG
GPR128.genF	GCAGGCTTTCCTTCTTGAGG
GPR.genR	TGGGTTTTGTTTGTGGAAAT
<b>Amplification of microsatellite TG repeat at chr3:101,840,545-101,840,591</b>	
TFG-GPR.MS1F	GCACACTTGTCAAAACCCTTT
TFG-GPR.MS1R	[6FAM]TCCAGTTGCTGAGCAGAGAA
<b>SNP genotyping within CNV</b>	
PCR within CNV:	
GPR.SNPc1F	TAATCATGAAATTTTCCTGTGGAA
GPR.SNPc1R	CTCAAGGGATCCTTCTGCCA
<b>PCR across CNV breakpoint</b>	
TFG.genF	see above
GPR.SNPc1R	see above

**Supplementary Table 2** Phenotype data on ten individuals with the *TFG-GPR128* fusion gene and 737 controls

Disease phenotype	<i>TFG-GPR</i> positive (N=10)	Controls (N=737)
median DOB (range)	1941 (1933-1951)	1942 (1928-1957)
heart attack	1/10	
dilated cardiomyopathy	0/10	
blood pressure	4/10	
varicose veins	2/10	
thromboses	0/10	
respiratory	2/10	
gallstones	1/10	
cholecystectomy	1/10	
coloscopy	6/10	392/737 (53.2%)
irritable bowel syndrome	0/10	
pyrosis	2/10	
stomach ulcer	0/10	
diabetes	0/10	

blood values	1/10	
psoriasis	1/10	
neuropathy	5/10	110/737 (15%)
cancer	1/10	
glaucoma	0/10	
hearing loss	2/10	
parodontitis	1/9	
heart murmur	1/10	
electrocardiogram abnormality	3/7	
peripheral arterial occlusive disease	0/10	
arthrosis	2/10	
chronic obstructive pulmonary disease	0/10	
asthma	0/10	

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**Supplementary Table 3: Reconstructed haplotypes with ten or more copies (total=539) for region chr3:101729831- 101982055 (UCSC Hg18).** The haplotype containing the *TFG-GPR128* CNV is indicated in bold.

Haplotype	Count
CCAAAAAAGAACCGTACTCTGTCTAGTCCTACGCAACGGAGCCTTTTCGAGTAACCCTCGATCGCCCGCCCG	30
CCAAAAAAGAACCGTACTCCACCTGACCCTACGCAGCCATATCTTCTAAGTGCCCTCCCGGCTACTCGTCCG	14
CCAAAAAAGAACCGTACTCCACCTGACCCTACGCAGCGATACCCTTTAGGCACTTCCCGGTGCTCGTCCG	221
CCAAAAAAGAACCGTACTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGGCTGCTCGTCCG	10
<b>CCAAAAAAGAACCGTACTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGGCTGGTTCGTGAA</b>	<b>105</b>
CCAAAAAAGAACCGTACTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGGCTACTCGTCCG	111
TCAGGGTGAGATTATACTCTGTCTGGTCCTACGCAACGGAGCCTTTTCGAGTAACTCTCGGCTGGTTCGTGAA	10
TCAGGGTGAGATTATACTCTGTCTAGTCCTACGCAACGGAGCCTTTTCGAGTAACTCCCGGTGCTCGTCCG	16
TCAGGGTGAGATTATACTCTGTCTAGTCCTACGCAACGGAGCCTTTTCGAGTAACTCTCGATCGCCCGCCCG	194
TCAGGGTGAGATTATACTCTGTCTAGTCCTACGCAACGGAGCCTTTTCGAGTAAACCCTCGATCGCCCGCCCG	33
TCCGGGGTGAGATTATACTCTGTCTAGTCCTACGCAACGGAGCCTTTTCGAGTAAACCCTCGATCGCCCGCCCG	14
TCCGGGGTGAGACTACGCTCCACCCGACACTACGGGACGATACCCTTTTAGGCACTTCCCGGTGCTCGTCCG	45
TCCGGGGTGAGCCTACGCTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGGCTACTCGTCCG	42
TCCGGGGTGAGCCTACGCTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGATCGCCCGCCCG	11
TTAAAAAAGAACCGTACTCCACCTGACCCTACGCAACCATATCTTCTAAGTGCCCTCCCGGCTGCTCGTCCG	13

**Affymetrix SNP 6.0 SNP identities for region chr3: 101729831- 101982055:**

rs6777810, rs7627378, rs4928110, rs6799882, rs6799882, rs6799992, rs7433589, rs11719592, rs4928112, rs6441329, rs4928066, rs9864288, rs7429915, rs11923487, rs9290097, rs10511187, rs9832463, rs1305377, rs9867401, rs1620897, rs1144126, rs1144125, rs1145350, rs10936276, rs10755119, rs1144122, rs4928070, rs16842463, rs1145343, rs1145342, rs1145340, rs16842481, rs9872753, rs2246355, rs1680508, rs4928072, rs1680499, rs1165536, rs4928081, rs7617579, rs7627660, rs6775789, rs1300266, rs4928083, rs1143777, rs6810101, rs1144107, rs1144106, rs1520649, rs1144104, rs3773921, rs41373752, rs2126540, rs1048364, rs905604, rs9817424, rs1143774, rs9823506, rs9290213, rs560803, rs7642041, rs7628413, rs544500, rs7642643, rs900234, rs9814717, rs16842822, rs6441552, rs9873555, rs7613610, rs9850273