

t(X;14)(p11.4;q32.33) is recurrent in marginal zone lymphoma and up-regulates GPR34

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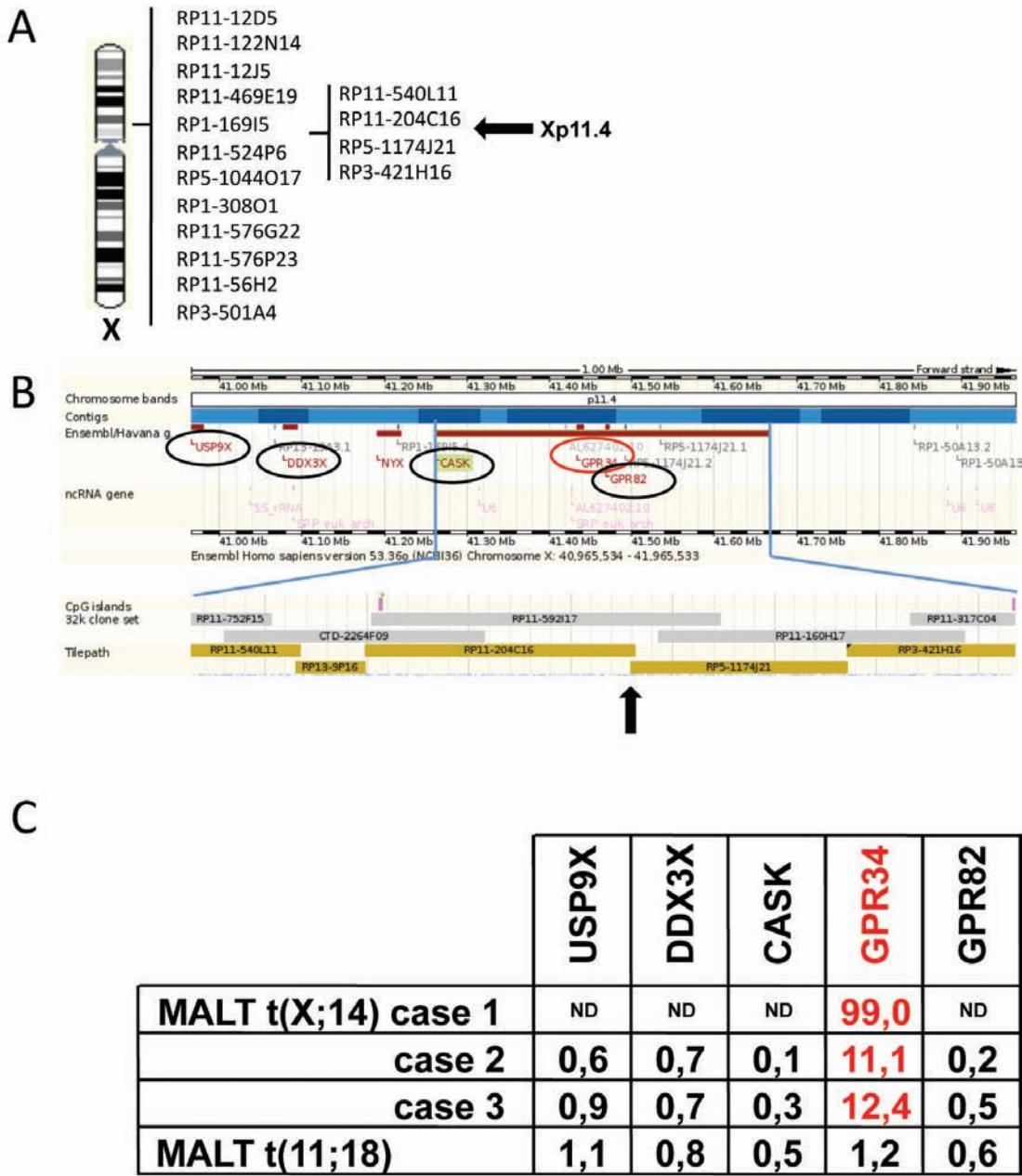
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Online Supplementary Table S1.

1	GPR34-f	5'-GAAAGGTTGCCACTATTACCAA
	GPR34-r	5'-GTGAAAGTGTAAATGACATATTCTC
2	GPR82-f	5'-ACAGAAGGAGAAGAGAGCCTATGC
	GPR482-r	5'-ATGAGACCTGCAATCTGAGAGATC
3	CASK-f	5'-AGCTCAGATGGAATGCTTACATG
	CASK-r	5'-CGCTTACGATTTCAAAACACAGAT
4	USP9X-f	5'-CTCCACCTGAAGATGCC
	USP9X-r	5'-GGCCTGTATATGGCTGTCC
5	DDX3X-f	5'-ACAAGGGTAGCAGTCGT
	DDX3X-r	5'-CTACTTTGTCGGTAGTCTCTGG
6	BCL2L1-f	5'-GCAGGTGTTGGACAATGGA
	BCL2L1-r	5'-AGCTCCGGTTGCTCTGA
7	CCND2-f	5'-CTGGCTAACATACCAACACAGA
	CCND2-r	5'-GAGGAGCACCCCTCAATC
8	cMYC-f	5'-CACCAACCAGCAGCGACTCT
	cMYC-r	5'-GCCTGCCCTTTCCACAGA
9	TNFAIP3-f	5'-CTGGAGTCTCTCAAATCTCAGG
	TNFAIP3-r	5'-TTGTCCCATTCAATCATTCCAGTT
10	BIRC3-f	5'-TGGGTCAACATGCCAAGTG
	BIRC3-r	5'-GGATGAACCTCTGTCCCTTAATCT
11	BCL2A1-f	5'-TAACACAGGAGAATGGATAAGGCA
	BCL2A1-r	5'-ATCCAGCCAGATTAGGTTCAA
12	TRAF1-f	5'-TGGCTGAGGCTGGAATTG
	TRAF1-r	5'-GAGGTGACCTCATGCTCTT
13	IRF4-f	5'-GTTCCGTAGGGAGCCAAA
	IRF4-r	5'-TAAGGCCTGTCATGGTAG
14	TRAF2-f	5'-CCGTCTGCCCCAGTGAT
	TRAF2-r	5'-ACATTGGTCAGCATGAG
15	HPRT1-f	5'-TGACACTGGCAAACAAATGCA
	HPRT1-r	5'-GGTCCTTTACCAAGCAAGCT

Online Supplementary Figure S1. Mapping of the Xp11.4 breakpoint. (A) Idiogram of a normal X chromosome, the applied FISH probes and the identified breakpoint. Probes distal to the breakpoint hybridized with der(14), proximal probes hybridized to der(X). (B) The Ensembl map of the involved Xp11.4 region. The arrow indicates the breakpoint mapped by FISH. Candidate genes further investigated by qRT-PCR are circled. (C) Results of qRT-PCR analysis. Note upregulation of GPR34 in all 3 analyzed cases with t(X;14), but not in MALT lymphoma with t(11;18).



Online Supplementary Figure S5. Immunoblot analysis of BJAB cells and the BJAB clones expressing GPR34 with antibodies that specifically recognize phosphorylated I κ B α . Left: unstimulated cells. Right: cells stimulated with PMA/ionomycin for 15'. Blots were stripped and re-probed with antibodies detecting phosphorylated p42/p44 MAPK (ERK) and β -actin (loading control).

