

A

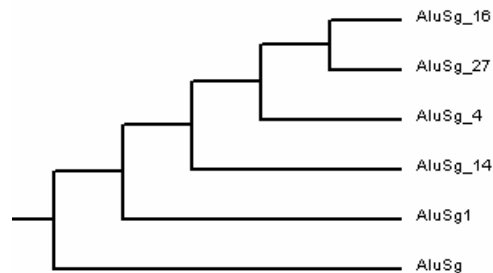
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AluSx      61 TCACCTGAGGTCAGGAGTTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCGT 113
AluSx_4    61 TCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCGT 113
AluSg      61 TCAC--GAGGTCAGGAGTTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCGT 111
AluSg1     61 TCAC--GAGGTCAGGAGTTTCGAGACCAGCCTGGCCAAGATGGTGAAACCCCGT 111
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AluSg_14   61 TCAC--GAGGTCAGGAGTTCAAGACCAGCCTGGCCAAGATGGTGAAACCCCGT 111
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AluSg_24   61 TCAC--GAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCGT 111
AluSg_27   61 TCAC--GAGGTCAGGAGTTCAAGACCAGCCTGGCCAAGATGGTGAAACCCCGT 111
AluSq      61 TCACCTGAGGTCAGGAGTTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCGT 113
AluSq_6    61 TCACCTGAGGTCAGAAGTTCAAGACCAGCCTGGTCAACATGGTGAAACCCCGT 113
AluSp      61 TCACCTGAGGTCGGGAGTTTCGAGACCAGCCTGACCAACATGGAGAAACCCCGT 113
AluSc      61 TCAC--GAGGTCAAGAGATCGAGACCATCCTGGCCAACATGGTGAAACCCCGT 111
          RGKTCANNRGKTCA
  
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B

Alu Family	# in genome	% with DR2	Rebase Alu family
AluSx_4	485	59.59	AluSx (75%)
AluSg_4	4712	67.32	AluSg1 (76%)
AluSg_14	3587	58.49	AluSg (75%)
AluSg_16	995	68.84	AluSg1 (67%)
AluSg_24	1979	62.81	AluSg (82%)
AluSg_27	300	60.33	AluSg1 (71%)
AluSq_6	1032	59.88	AluSq (85%)

C



Supplemental Figure 1 - (A) Alignment of AluS with Alu families from Price et al. [26] that contain consensus RARE DR2. (B) Frequency of RARE DR2 for Alu families from Price et al. (C) Cladogram of AluSg subfamilies