

Table S1. Comparisons of HSat2,3 subfamilies with published clone sequences

Subfamily Name	Published clone sequences matching subfamily-specific 24-mers [citation]	Published clone chromosomal localizations	Published repeat unit size (bp)
HSat2A1	cMEN375 [Jackson et al. 1992]	10	-
HSat2A2	pUC1.77 [Cooke and Hindley 1979]	1	1775
	cb2 [Jeanpierre et al. 1994]	1	-
HSat2B	pHuR195 [Moyzis et al. 1987]	16	-
	HUMPPD17 [Deininger et al. 1981]	-	-
HSat3A1	pW-1* [Bandyopadhyay et al. 2001]	13,21	1524
	cMEN219 [Jackson et al. 1993]	10	-
	QP23 [Jeanpierre et al. 1985]	22	-
HSat3A2	pE-1* [Bandyopadhyay et al. 2001]	13,14,21	1748
	pK-1* [Bandyopadhyay et al. 2001]	14,22	806
HSat3A3			
HSat3A4	pTRS-47* [Choo et al. 1990]	14,22	1366
	pR-1* [Bandyopadhyay et al. 2001]	13,14,15,21,22	1529
	pR-2* [Bandyopadhyay et al. 2001]	13,14,15,21,22	1556
	pR-4* [Bandyopadhyay et al. 2001]	13,14,15,21,22	1026
	pE-2* [Bandyopadhyay et al. 2001]	13,14,21	584
HSat3A5	HUMRSKPNI [Higgins et al. 1985]	15	1800/3600
HSat3A6	chrY-DYZ1* [Nakahori et al. 1986]	Y	3564
HSat3B1			
HSat3B2	pTRS-63* [Choo et al. 1992]	14	1404
	HUMASAT3* [Vissel et al. 1992]	13,14,21	1483
HSat3B3	HUMPPD9 [Deininger et al. 1981]	-	-
HSat3B4			
HSat3B5	pHuR98 [Moyzis et al. 1987]	9	-

*these clones represent complete repeat units that have been sequenced. All others are incomplete fragments.