Supplemental Table 2: Comparison of Alpha-CENTAURI HOR predictions with previously published higher order repeats

Alpha-CENTAURI Higher Order Repeat Predictions				Previously Published Higher Order Repeats				
HOR Array ID	pReads	Predicted HOR (bp)	Predicted HOR (Monomer)	Locus	Chr	Published HOR	Genbank Accession	Reference
cen1.1	143	340	dimer	D1Z7/D5Z2/D19Z3	1,5,19	2/340	pE25a/M26919-20	Carine et al. (1989);Baldini et al (1989)
cen1.2	5	1866	11-mer	D1Z5	1	11/1900	pSD1-1	Willard and Waye (1978b)
cen2.1	24	1360	8-mer	D2Z1	2	8/1360	M81229	Haaf and Willard (1992)
cen3.1	110	2891	17-mer	D3Z1	3	17/2900	Z12006	Alexandrov et al (1993b)
cen4.1	21	3230	19-mer	D4Z1 (pYAM11-39)	4	20/3200	Z12011-2, p4n1/4, pG-	Mashkova et al (1994)
cen5.1	33	2214	13-mer	D5Z?/D19Z? (pGA16)	5,19	??	pGA16	Hulsebos et al (1988)
cen6.1	51	3057	18-mer	D6Z1	6	20/3222 (or	AB005791	Suigmoto et al. (1997);Jabs et al (1984); Jabs and Perisco (1987)
cen7.1	62	1022	6-mer	D7Z1	7	6/1020	M16087, M16101	Waye et al (1987)
cen7.2	5	2734	16mon	D7Z2	7	16/2700	M16037	Waye et al (1987)
cen8.1	54	1868	11mon	D8Z2	8	15/2550	M64779	Ge et al. (1992)
cen10.1	92	1019	6mon	D10Z1	10	6/1020;8/13	M93288,M93286	Looijenga et al (1992)
cen11.1	127	850	5mon	D11Z1	11	5/850	M21452	Waye et al (1987)
cen12.1	61	1359	8mon	D12Z3	12	8/1395	M93287	Looijenga et al (1992)
cen13.1	4	1870	11mon	D13Z1/D21Z1 (alphaRI,L1.26)	13	11/1868	D29750	Ikeno et al (1994), Greig et al (1993)
cen13.2	1	3914	23mon	D13Z4/D14Z6/D21Z5 (pTRA-2)	13,14,21	??	X55367	Vissel,B. and Choo,K.H. (1991)
cen22.1	132	1364	8mon	D22Z2	22	??	M28299	McDermid et al (1986)
cen15.2-21	9	3415	20mon	D15Z4 (pTRA-25)	15	26/4500	??	Choo et al (1990)
cen16.1	29	1699	10mon	D16Z2	16	10/1700	M58446	Greig et al (1989)
cen17.1	91	2716	16mon	D17Z1	17	16/2712	M13882	Waye and Willard (1986)
cen17.2	20	2379	14mon	D17Z1B	17	14/X	needed	Rudd and Willard (2004)
cen18.1	6	1360	8mon	D18Z1 (pYAM9-60)	18	8/1364	M65181	Alexandrov et al (1991)
cen18.2	24	1701	10mon	D18Z2 (pYAM4-22)	18	10/1700	M65181	Alexandrov et al (1991)
cen20.1	12	2719	16mon	D20Z1 (p3-4)	20	??	??	Waye and Willard (1987)
cen20.2	29	1360	8mon	D20Z2	20	6/1020	X58269	Baldini et al (1992)
cenX.1	80	2057	12-mer	DXZ1	X	12/2000	X02418	Waye and Willard (1985)