

Table 4. Low- and high-resolution bands on the long arm of chromosome 6 are listed together with their component isochores (starts, ends, sizes, GC level and replication timings)

HsChr6									
Band	400-band	850-band	Hybridization	Isochore	Start	End	Size, Mb	GC, %	Replication
R	p25	p25.3	H3 ⁻	p25.3	0	1.7	1.7	44.0	E/(L)
		p25.2	L1 ⁻	p25.2	1.7	2.1	0.4	39.3	E
		p25.1	H3 ⁻	p25.1a	2.1	3.1	1.0	43.4	* L/(E)
				p25.1b	3.1	3.9	0.8	46.0	E
				p25.1c	3.9	4.1	0.2	40.3	E
				p25.1d	4.1	5.2	1.1	43.0	E
				p25.1e	5.2	5.5	0.3	40.2	E
p25.1f	5.5	8.1	2.6	43.2	E				
G	p24	p24.3	L1 ⁻	p24.3	8.1	10.2	2.1	37.7	E/(L)
		p24.2	H3 ⁻	p24.2	10.2	11.5	1.3	42.4	E
		p24.1	L1 ⁻	p24.1	11.5	13	1.5	40.0	E
R	p23	p23	H3⁻	p23	13	18.5	5.5	42.4	E/(L)
G	p22	p22.3	L1 ⁻	p22.3a	18.5	19.9	1.4	38.2	L
				p22.3b	19.9	20.1	0.2	40.0	L
				p22.3c	20.1	20.6	0.5	42.3	E
				p22.3d	20.6	21.3	0.7	38.0	E
				p22.3e	21.3	22.1	0.8	42.4	E
				p22.3f	22.1	24.5	2.4	37.7	E
		p22.2	H3 ⁻	p22.2a	24.5	24.7	0.2	42.7	E
				p22.2b	24.7	24.9	0.2	40.9	E
				p22.2c	24.9	25.2	0.3	41.6	E
				p22.2d	25.2	26.1	0.9	39.4	E
				p22.2e	26.1	26.7	0.6	42.8	* L
		p22.1	L1 ⁻	p22.1a	26.7	27.2	0.5	39.0	* E
				p22.1b	27.2	27.4	0.2	42.4	* L
				p22.1c	27.4	27.6	0.2	40.4	E
				p22.1d	27.6	28	0.4	42.4	E
				p22.1e	28	28.7	0.7	39.9	E
				p22.1f	28.7	29.1	0.4	42.6	E
p22.1g	29.1	29.5	0.4	36.9	E				
R	p21.3	p21.33	H3 ⁺	p21.33a	29.5	30.6	1.1	44.2	E
				p21.33b	30.6	31.3	0.7	48.2	E
				p21.33c	31.3	31.6	0.3	44.2	E
				p21.33d	31.6	32.3	0.7	51.9	E
	p21.32	32.3	33.2	0.9	41.1	E			
	p21.31	H3 ⁺	p21.31a	33.2	33.7	0.5	49.6	E	
			p21.31b	33.7	34	0.3	52.8	E	
			p21.31c	34	34.3	0.3	52.3	E	
			p21.31d	34.3	34.7	0.4	47.9	E	
			p21.31e	34.7	35.1	0.4	42.8	E	
			p21.31f	35.1	35.6	0.5	48.6	E	
			p21.31g	35.6	36.2	0.6	43.1	E	
			p21.31h	36.2	36.7	0.5	45.0	E	
p21.31i			36.7	37.3	0.6	48.5	E		

				p21.31l	37.3	37.5	0.2	43.0	E
				p21.31m	37.5	37.9	0.4	49.5	* L
G	p21.2	p21.2	L1⁻	p21.2	37.9	39.1	1.2	40.0	E
R	p21.1	p21.1	H3⁺	p21.1a	39.1	39.5	0.4	47.5	E/(L)
				p21.1b	39.5	39.8	0.3	39.0	L
				p21.1c	39.8	40.4	0.6	44.0	L
				p21.1d	40.4	40.9	0.5	47.0	E
				p21.1e	40.9	41.4	0.5	43.7	E
				p21.1f	41.4	42.3	0.9	48.7	E
				p21.1g	42.3	43	0.7	43.9	E
				p21.1h	43	44.4	1.4	49.7	E
				p21.1i	44.4	44.9	0.5	43.9	E
G	p12	p12.3	L1⁺	p12.3a	44.9	45.4	0.5	36.4	* L
				p12.3b	45.4	45.6	0.2	38.4	E
				p12.3c	45.6	46.1	0.5	42.5	E
				p12.3d	46.1	48	1.9	39.2	E/(L)
				p12.3e	48	50.7	2.7	35.9	L
				p12.3f	50.7	52.2	1.5	38.2	L
		p12.2	H3⁺	p12.2a	52.2	53.4	1.2	42.2	E
				p12.2b	53.4	54	0.6	39.6	E
		p12.1	L1⁺	p12.1	54	56.6	2.6	36.0	L
R	p11.2	p11.2	H3⁺	p11.2-p11	56.6	58.9	2.3	38.0	L/(E)
R	q11.2	q11.2	H3⁺	q11.2	63.8	64.8	1.0	38.2	* E
G	q12	q12	L1⁺	q12	64.8	70.2	5.4	34.7	* L
R	q13	q13	H3⁺	q13a	70.2	72.4	2.2	37.6	* E
				q13b	72.4	73.1	0.7	36.0	* L
				q13c	73.1	73.4	0.3	37.3	E
				q13d	73.4	73.9	0.5	36.9	E
				q13e	73.9	74.5	0.6	43.0	E
G	q14	q14.1	L1⁻	q14.1a	74.5	74.9	0.4	38.6	E
				q14.1b	74.9	75.9	1.0	36.4	* L
				q14.1c	75.9	77	1.1	38.1	* E
				q14.1d	77	79.4	2.4	36.3	* L
				q14.1e	79.4	79.7	0.3	38.2	E
				q14.1f	79.7	79.9	0.2	34.5	E
				q14.1g	79.9	80.9	1.0	38.1	L
				q14.1h	80.9	81.1	0.2	36.6	L
				q14.1i	81.1	81.3	0.2	37.6	L
				q14.1l	81.3	82.5	1.2	35.6	L
		q14.2	H3⁺	q14.2	82.5	84	1.5	38.0	L
		q14.3	L1⁻	q14.3	84	88	4.0	38.5	L/(E)
R	q15	q15	H3⁺	q15a	88	89.4	1.4	39.7	E
				q15b	89.4	89.7	0.3	36.1	E
				q15c	89.7	90.8	1.1	42.5	E
				q15d	90.8	92.1	1.3	38.7	L

G	q16	q16.1	L1 ⁺	q16.1a	92.1	97.2	5.1	35.1	L		
				q16.1b	97.2	97.9	0.7	38.0	* E/(L)		
				q16.1c	97.9	99.1	1.2	35.5	* L		
		q16.2	H3 ⁻	q16.2	99.1	101	1.9	38.4	* E/(L)		
		q16.3	L1 ⁺	q16.3a	101.1	101.4	0.3	33.8	L		
				q16.3b	101.4	102	0.6	36.9	L		
				q16.3c	102	104.9	2.9	34.6	L		
	R	q21	q21	H3 ⁻	q21a	104.9	106.7	1.8	39.4	E	
					q21b	106.7	107.2	0.5	39.6	E	
q21c					107.2	107.6	0.4	44.1	E		
q21d					107.6	108	0.4	39.8	E		
q21e					108	108.7	0.7	43.0	E		
q21f					108.7	108.9	0.2	39.4	E		
q21g					108.9	109.4	0.5	42.5	E		
q21h					109.4	109.7	0.3	38.5	E		
q21i					109.7	109.9	0.2	44.0	E		
q21l					109.9	110.2	0.3	38.8	E		
q21m					110.2	110.5	0.3	42.6	E		
q21n					110.5	110.8	0.3	38.6	* L		
q21o					110.8	111	0.2	42.7	E		
q21p					111	111.2	0.2	39.7	E		
q21q					111.2	111.5	0.3	42.9	E		
q21r					111.5	112	0.5	39.4	E		
q21s					112	112.5	0.5	42.4	E		
q21t	112.5	112.8	0.3	39.2	E						
G	q22	q22.1	L1 ⁻	q22.1a	112.8	113.6	0.8	36.0	E		
				q22.1b	113.6	115	1.4	38.0	E/(L)		
				q22.1c	115	116.1	1.1	35.7	* L		
				q22.1d	116.1	117.1	1.0	37.6	* E		
				q22.1e	117.1	117.5	0.4	36.6	* L		
				q22.1f	117.5	118.5	1.0	38.4	E		
				q22.2	H3 ⁻	q22.2	118.5	119.9	1.4	38.9	E
				q22.31	L1 ⁺	q22.31a	119.9	121.7	1.8	35.5	L
						q22.31b	121.7	122.2	0.5	38.0	L
						q22.31c	122.2	122.9	0.7	36.2	L
						q22.31d	122.9	123.4	0.5	37.8	L
						q22.31e	123.4	125.1	1.7	35.8	L
	q22.32	H3 ⁻	q22.32	125.1	126.6	1.5	38.6	* E/(L)			
	q22.33	L1 ⁺	q22.33a	126.6	127.7	1.1	36.2	L			
			q22.33b	127.7	127.9	0.2	38.7	L			
			q22.33c	127.9	129.9	2.0	35.9	L			
R	q23	q23.1	H3 ⁻	q23.1	129.9	131.9	2.0	38.7	E		
				q23.2	131.9	134.4	2.5	37.9	E/(L)		
				q23.3a	134.4	134.8	0.4	41.7	E		
				q23.3b	134.8	135.1	0.3	39.6	E		
				q23.3c	135.1	135.3	0.2	42.2	E		
				q23.3d	135.3	135.7	0.4	39.0	E		
				q23.3e	135.7	136.3	0.6	36.9	E		
q23.3f	136.3	140.3	4.0	40.1	E						
G	q24	q24.1	L1 ⁻	q24.1a	140.3	142.3	2.0	35.3	L		

				q24.1b	142.3	143	0.7	37.2	L
	q24.2	H3⁻		q24.2a	143	144.5	1.5	39.6	E
				q24.2b	144.5	144.7	0.2	41.2	E
	q24.3	L1⁻		q24.3	144.7	148.5	3.8	37.7	E/(L)
R	q25	q25.1	H3⁻	q25.1a	148.5	149	0.5	42.5	E
				q25.1b	149	149.2	0.2	40.4	E
				q25.1c	149.2	149.5	0.3	41.5	E
				q25.1d	149.5	149.8	0.3	39.9	E
				q25.1e	149.8	151.9	2.1	43.7	E
	q25.2	L1⁻		q25.2a	151.9	154.7	2.8	38.1	* L
				q25.2b	154.7	155.1	0.4	41.8	E
				q25.2c	155.1	155.3	0.2	39.3	E
				q25.2d	155.3	155.7	0.4	43.9	E
				q25.2e	155.7	156.3	0.6	37.7	E
	q25.3	H3⁻		q25.3a	156.3	156.9	0.6	39.4	E
				q25.3b	156.9	157.3	0.4	42.0	E
				q25.3c	157.3	157.5	0.2	39.4	E
				q25.3d	157.5	161.9	4.4	43.4	L
				q25.3e	161.9	162.3	0.4	41.3	L
				q25.3f	162.3	163.5	1.2	38.9	L
				q25.3g	163.5	163.8	0.3	43.7	L
				q25.3h	163.8	164	0.2	37.6	L
				q25.3i	164	164.6	0.6	42.5	L
G	q26	q26	L1⁻	q26	164.6	166	1.4	38.1	L
R	q27	q27	H3⁺	q27a	166	168.2	2.2	44.9	* E/(L)
				q27b	168.2	168.9	0.7	48.9	L
				q27c	168.9	170	1.1	43.6	L
				q27d	170	171	1	47.4	* E/(L)

Isochore nomenclature is according to Costantini et al. (14).

L, late-replicating; E, early-replicating; L/(E) or E/(L), isochores with a small terminal region (in brackets) showing a different timing. As in SI Fig. 5, horizontal red lines separate low-resolution bands; black horizontal lines separate high-resolution bands.

Vertical red or blue thick lines indicate regions having early- or late- replication timing.

Red or blue asterisks indicate individual isochores having early- or late- replication timings.

