

X-DNA Inheritance Chart – Female Focus Person

	k = 1	k = 2	k = 3	k = 4	k = 5	k = 6	
1	2 (50%)	4	8	16	32	64	
					33	65	
					34	66	
			9	17	35	67	
					36	68	
					37	69	
		5 (50%)	10 (25%)	20	38	70	
					39	71	
					40	72	
			11 (25%)	21 (25%)	22 (12.5%)	41	73
						42 (12.5%)	74
						43 (12.5%)	75
	12 (12.5%)	23 (12.5%)	24 (12.5%)	44	76		
				45 (12.5%)	77		
				46 (6.25%)	78		
		27 (12.5%)	47 (6.25%)	28 (6.25%)	48	79	
					49	80	
					50	81	
	3 (50%)	6 (25%)	12	24	42 (12.5%)	82	
					43 (12.5%)	83	
					44	84	
			13 (25%)	26 (12.5%)	27 (12.5%)	45 (12.5%)	85 (12.5%)
						46 (6.25%)	86 (6.25%)
						47 (6.25%)	87 (6.25%)
		14 (12.5%)	29 (12.5%)	30 (6.25%)	48	88	
					49	89	
					50	90 (6.25%)	
15 (12.5%)			31 (6.25%)	32 (6.25%)	51	91 (6.25%)	
					52	92	
					53 (12.5%)	93 (6.25%)	
7 (25%)	14 (12.5%)	28	54 (6.25%)	94 (3.125%)			
			55 (6.25%)	95 (3.125%)			
			56	96			
	29 (12.5%)	58 (6.25%)	31 (6.25%)	57	97		
				59 (6.25%)	98		
				60	99		
31 (6.25%)	61 (6.25%)	33 (6.25%)	61 (6.25%)	100			
			62 (3.125%)	101			
			63 (3.125%)	102			
	33 (6.25%)	62 (3.125%)	35 (6.25%)	62 (3.125%)	103		
				63 (3.125%)	104		
				64	105		
35 (6.25%)	63 (3.125%)	37 (6.25%)	63 (3.125%)	106 (6.25%)			
			64	107 (6.25%)			
			65	108			
	37 (6.25%)	64	39 (6.25%)	64	109 (6.25%)		
				65	110 (3.125%)		
				66	111 (3.125%)		
39 (6.25%)	65	41 (6.25%)	65	112			
			66	113			
			67	114			
	41 (6.25%)	66	43 (6.25%)	66	115		
				67	116		
				68	117 (6.25%)		
43 (6.25%)	67	45 (6.25%)	67	118 (3.125%)			
			68	119 (3.125%)			
			69	120			
	45 (6.25%)	68	47 (6.25%)	68	121		
				69	122 (3.125%)		
				70	123 (3.125%)		
47 (6.25%)	69	49 (6.25%)	69	124			
			70	125 (3.125%)			
			71	126 (1.563%)			
	49 (6.25%)	70	51 (6.25%)	70	127 (1.563%)		
				71			
				72			

Each ancestor whose box is colored may have contributed X-DNA segments to the female focus person. Potentially contributing male ancestors are colored in blue and female ancestors in pink. Approximate percentage of X-DNA passed to the next generations is shown in (parentheses). Ahnentafel numbers are shown on the left. The numbering of the ancestor generations begins only with the parent generation (k = 1), the starting person does not receive a generation number (k = „0“).


All possible inheritance lines of the X chromosomes were first published by Arndt Richter, Munich, in 1979: „Genetically preferred Ancestral Lines in Sexual Beings“ (http://www.genetologie.de/artikel/html/ar_afs79/eng_afs79.htm)

X-DNA Inheritance Chart – Male Focus Person

	k = 1	k = 2	k = 3	k = 4	k = 5	k = 6
1	2	4	8	16	32	64
					33	65
					34	66
			9	17	35	67
					36	68
					37	69
		5	10	18	38	70
					39	71
					40	72
			11	19	41	73
					42	74
					43	75
	3 (100%)	6 (50%)	12	20	44	80
					45	81
					46	82
			13 (50%)	21	47	83
					48	84
					49	85
		7 (50%)	14 (25%)	22	50	86
					51	87
					52	88
		15 (25%)	23	24	53 (25%)	89
					54 (12.5%)	90
					55 (12.5%)	91
			26 (25%)	25	56	92
					57	93
					58 (12.5%)	94
27 (25%)	28		59 (12.5%)	95		
			60	96		
			61 (12.5%)	97		
30 (12.5%)	29 (25%)	26 (25%)	62 (6.25%)	98		
			63 (6.25%)	99		
			64 (6.25%)	100		
31 (12.5%)	30 (12.5%)	27 (25%)	65 (6.25%)	101		
			66 (6.25%)	102		
			67 (6.25%)	103		
63 (6.25%)	31 (12.5%)	28	68 (6.25%)	104		
			69 (6.25%)	105		
			70 (6.25%)	106 (12.5%)		
62 (6.25%)	31 (12.5%)	29 (25%)	71 (6.25%)	107 (12.5%)		
			72 (6.25%)	108		
			73 (6.25%)	109 (12.5%)		
61 (6.25%)	31 (12.5%)	30 (12.5%)	74 (6.25%)	110 (6.25%)		
			75 (6.25%)	111 (6.25%)		
			76 (6.25%)	112		
60 (6.25%)	31 (12.5%)	31 (12.5%)	77 (6.25%)	113		
			78 (6.25%)	114		
			79 (6.25%)	115		
63 (6.25%)	31 (12.5%)	31 (12.5%)	80 (6.25%)	116		
			81 (6.25%)	117 (12.5%)		
			82 (6.25%)	118 (6.25%)		
62 (6.25%)	31 (12.5%)	31 (12.5%)	83 (6.25%)	119 (6.25%)		
			84 (6.25%)	120		
			85 (6.25%)	121		
61 (6.25%)	31 (12.5%)	31 (12.5%)	86 (6.25%)	122 (6.25%)		
			87 (6.25%)	123 (6.25%)		
			88 (6.25%)	124		
60 (6.25%)	31 (12.5%)	31 (12.5%)	89 (6.25%)	125 (6.25%)		
			90 (6.25%)	126 (3.125%)		
			91 (6.25%)	127 (3.125%)		

Each ancestor whose box is colored may have contributed X-DNA segments to the male focus person. Potentially contributing male ancestors are colored in blue and female ancestors in pink. Approximate percentage of X-DNA passed to the next generations is shown in (parentheses). Ahnentafel numbers are shown on the left. The numbering of the ancestor generations begins only with the parent generation (k = 1), the starting person does not receive a generation number (k = „0“).

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