

**Table S2.** Summary of translocations involving non-acrocentric chromosomes with acrocentric chromosomes collected in the 3 centers in the period from 1999-2020. See Table S3 for details.

Chromosome	Arm length p/q*	Total Mb**	N° breaks interesting acrocentrics	N° of breaks per 100 Mb
1	125000000	249	5	2,01
	124250621			
2	93300000	243	13	5,35
	149899373			
3	91000000	198	2	1,01
	107022430			
4	50400000	191	12	6,28
	140754276			
5	48400000	181	7	3,87
	132515260			
6	61000000	171	4	2,34
	110115067			
7	59900000	159	10	6,29
	99238663			
8	45600000	146	1	0,68
	100764022			
9	49000000	141	6	4,26
	92213431			
10	40200000	136	3	2,21
	95334747			
11	53700000	135	21	15,56
	81306516			
12	35800000	134	2	1,49
	98051895			
16	36600000	90	5	5,56
	53754753			
17	24000000	81	3	3,7
	57195210			
18	17200000	78	16	20,51
	60877248			
19	26500000	59	3	5,08
	32628983			
20	27500000	63	5	7,94
	35525520			
X	60600000	155	1	0,65
	94670560			
mean			6,6	5,3

\* from <https://www.biostars.org/p/383786/> accessed on 7 Apr 2021

\*\*UCSC Genome Browser GRCh37/hg19