Extended data table 1. List of individuals with DSD.

		т	T	т	T	Т
	DSD	Age	Karyotype	Phenotype	Malignant Tumor	Gonadal tissue
	groups				(gonadal biopsy)	histology
	Swyer-					
	GCT					
1	1	16	46, XY	Female	Dysgerminoma	CD117+, PLAP+
2	2	18	46, XY	Female	Seminoma/	PAS+
					Dysgerminoma	
3	3	17	46, XY (SRY mutation)	Female	Dysgerminoma	CD117+, D2-40+, OCT4+, PLAP+, SALL4+
4	4	32	46, XY	Female	Dysgerminoma, Gonadoblastoma	AFP+, β-HCG+
5	5	6	46, XY	Female	Dysgerminoma	KiA10+, AP +
	Swyer		,		, 0	
6	1	24	46, XY	Female	Not found	
7	2	16	46, XY	Female	Not found	
8	3	12	46, XY	Female	Not found	
9	4	10	46, XY	Female	Not found	
10	5	18	46, XY	Female	Not found	
11	6	16	46, XY	Female	Not found	
12	7	17	46, XY	Female	Not found	
	CAIS					
13	1	29	46, XY	Female	Not found	Negative for AFP, OCT4, SALL4, PLAP, S100, CD117, beta-HCG
14	2	45	46, XY	Female	Not found	Negative for S100, SALL4, AFP, C2-40, OCT4, PLAP, beta-HCG
15	3	14	46, XY	Female	Not found	
16	4	18	46, XY	Female	Not found	
17	5	9	46, XY	Female	Not found	
18	6	17	46, XY	Female	Not found	
19	7	17	46, XY	Female	Not found	
20	8	18	46, XY	Female	Not found	hyperplastic Leydig cells
21	9	32	46, XY	Female	Not found	Differentiated Sertoli- Leydig cells tumor, secondary Sertoli cells hyperplasia, no germ cells tumor, no malignancy OCT4+, TSPY+, DDX3Y+
	CAIS-			Female		
	GCT					
22	1		46, XY	Female	Dysgerminoma/ Gonadoblastoma	D2-40, OCT4, SALL4
	Turner					
23	1	14	45, X0	Female	No biopsy	
24	2	17	45, X0	Female	No biopsy	
25	3	10	45, X0	Female	No biopsy	
26	4	12	45, X0	Female	No biopsy	

27	5	16	45, X0	Female	No biopsy	
28	6	15	45, X0	Female	No biopsy	
29	7	11	45, X0	Female	No biopsy	
30	8	7	45, X0	Female	No biopsy	
31	9	6	45, X0	Female	No biopsy	
32	10	6	45, X0	Female	No biopsy	
33	11	12	45, X0	Female	No biopsy	
	Klinefelt					
	er					
34	1	34	XXY	Male	Not found	pronounced fibrosis
35	2	28	XXY	Male	Not found	
36	3	37	XXY	Male	Not found	
37	4	32	XXY	Male	Not found	pronounced fibrosis
38	5	37	XXY	Male	Not found	
39	6	36	XXY	Male	Not found	reactive Leydig cell hyperplasia