

Supplementary Table S1 Summary of identified copy number variation regions (CNVRs) in women with spontaneous premature ovarian failure (POF).

Chr	Start (hg19)	End (hg19)	Length (bp)	Cases (n = 301)	CNVR frequency in cases
(A) Microdeletions in cohort of women with spontaneous POF					
1	49100192	50081573	981 381	1	0.003322259
1	62212822	62422442	209 620	1	0.003322259
1	102673499	102843725	170 226	1	0.003322259
1	114616228	114720018	103 790	1	0.003322259
1	196712596	196882038	169 442	3	0.009966777
1	240371821	240561727	189 906	1	0.003322259
1	242529469	242554564	25 095	1	0.003322259
2	35398456	35666876	268 420	1	0.003322259
2	35819686	36087642	267 956	1	0.003322259
2	73828493	73900329	71 836	1	0.003322259
2	124242527	124306147	63 620	1	0.003322259
2	179071826	179188986	117 160	1	0.003322259
2	242917734	243034519	116 785	7	0.023255814
3	26021365	26121843	100 478	1	0.003322259
3	60089314	60237710	148 396	1	0.003322259
3	75419736	75636449	216 713	1	0.003322259
3	85477017	85608137	131 120	1	0.003322259
3	113576202	113620344	44 142	1	0.003322259
3	151514590	151574286	59 696	2	0.006644518
4	69492319	69512654	20 335	1	0.003322259
4	177006043	177109326	103 283	1	0.003322259
4	188088282	188269838	181 556	1	0.003322259
5	68720419	68875627	155 208	1	0.003322259
5	84386904	84543864	156 960	1	0.003322259
5	96523921	96663347	139 426	1	0.003322259
5	97048466	97099320	50 854	5	0.016611296
5	113503422	113616993	113 571	1	0.003322259
6	73697858	73935015	237 157	1	0.003322259
6	78972930	79029367	56 437	4	0.013289037
6	79029649	79086086	56 437	2	0.006644518
6	162093140	162459571	366 431	1	0.003322259
7	2302956	2377332	74 376	1	0.003322259
7	33639870	33730376	90 506	1	0.003322259
7	64727862	64964510	236 648	1	0.003322259
7	76289033	76557212	268 179	1	0.003322259
7	109782499	109987031	204 532	1	0.003322259
7	110879251	111059886	180 635	1	0.003322259
8	8131816	12249050	4 117 234	1	0.003322259
8	8325448	8444891	119 443	2	0.006644518
8	15939341	16021468	82 127	3	0.009966777

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Supplementary Table S1 *Continued*

Chr	Start (hg19)	End (hg19)	Length (bp)	Cases (n = 301)	CNVR frequency in cases
8	113618413	113719181	100768	1	0.003322259
8	137688230	137857327	169097	4	0.013289037
9	11660139	11890045	229906	2	0.006644518
9	19678269	19779172	100903	1	0.003322259
9	28195206	28336185	140979	1	0.003322259
9	95063947	95179836	115889	1	0.003322259
9	104594799	104852073	257274	1	0.003322259
9	105765465	105815502	50037	2	0.006644518
9	114337013	114387135	50122	1	0.003322259
9	119285144	119803933	518789	1	0.003322259
10	3148116	3202491	54375	1	0.003322259
10	47543322	47646751	103429	2	0.006644518
10	68078481	68114481	36000	2	0.006644518
10	96499710	96557335	57625	1	0.003322259
10	107618048	107682005	63957	1	0.003322259
10	135256762	135379710	122948	2	0.006644518
11	48518893	48942781	423888	1	0.003322259
11	55122337	55451045	328708	4	0.013289037
11	56058474	56175671	117197	1	0.003322259
11	134365462	134439273	73811	1	0.003322259
12	8003758	8123306	119548	1	0.003322259
12	63946056	64116159	170103	2	0.006644518
12	73243456	73363957	120501	1	0.003322259
13	51194405	51398466	204061	1	0.003322259
13	97049100	97304003	254903	1	0.003322259
13	108157430	108269796	112366	1	0.003322259
14	44251087	44284324	33237	1	0.003322259
14	46552854	46679281	126427	1	0.003322259
15	24357212	24472278	115066	1	0.003322259
15	28962131	30366247	1404116	1	0.003322259
15	57667027	57734290	67263	1	0.003322259
15	83213963	84811815	1597852	1	0.003322259
15	101678725	101833366	154641	1	0.003322259
16	12688896	12730650	41754	3	0.009966777
16	78564441	78769788	205347	1	0.003322259
16	81249929	81303891	53962	1	0.003322259
17	11885	114669	102784	1	0.003322259
17	14105874	15383769	1277895	1	0.003322259
17	21539613	21874036	334423	1	0.003322259
18	1715758	1833682	108891	2	0.006644518
18	1898848	1963417	64569	1	0.003322259
18	64086760	64334903	248143	1	0.003322259
18	69080787	69229915	149128	1	0.003322259
18	75539208	75656108	116900	1	0.003322259
19	3804701	3835177	30476	1	0.003322259
19	43372386	43539189	166803	1	0.003322259
19	48063134	48282069	218935	1	0.003322259

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Supplementary Table SI *Continued*

Chr	Start (hg19)	End (hg19)	Length (bp)	Cases (n = 301)	CNVR frequency in cases
20	14781684	14823472	41 788	1	0.003322259
22	18738296	25914592	7 176 296	1	0.003322259
22	25732697	25910879	178 182	3	0.009966777
22	43122720	43500212	377 492	1	0.003322259
X	2591887	2802568	210 681	1	0.003322259
X	22958001	23020021	62 020	1	0.003322259
X	47911871	47970727	58 856	2	0.006644518
X	99931059	120328627	20 397 568	1	0.003322259
(B) Microduplications in cohort of women with spontaneous POF					
1	35570364	35656664	86 300	1	0.003322259
1	59891821	61162222	1 270 401	1	0.003322259
1	103908591	104012569	103 978	1	0.003322259
1	104103057	104357400	254 343	1	0.003322259
1	121171208	121289118	117 910	1	0.003322259
1	145020771	145640129	619 358	1	0.003322259
1	173697478	174010664	313 186	1	0.003322259
1	196794652	196882038	87 386	2	0.006644518
1	237083719	237586469	502 750	1	0.003322259
2	51572556	51729681	157 125	1	0.003322259
2	90010895	90240473	229 578	1	0.003322259
2	95444917	95977790	532 873	1	0.003322259
2	124069523	124251487	181 964	1	0.003322259
2	128368235	128405920	37 685	1	0.003322259
2	130982377	131096727	114 350	1	0.003322259
2	133584471	133902333	317 862	1	0.003322259
2	170051329	170213930	162 601	1	0.003322259
2	200250898	201845999	1 595 101	1	0.003322259
2	216629374	217251859	622 485	1	0.003322259
3	66894	2552565	2 485 671	1	0.003322259
3	6224872	6598777	373 905	1	0.003322259
3	35832877	35925872	92 995	1	0.003322259
3	122964492	123080578	116 086	1	0.003322259
3	173239453	173289281	49 828	1	0.003322259
3	182896411	183198268	301 857	1	0.003322259
4	10188326	11112475	924 149	1	0.003322259
4	18303100	18412600	109 500	1	0.003322259
4	57759221	57795328	36 107	1	0.003322259
4	80179372	80566060	386 688	1	0.003322259
4	127037075	127760876	723 801	2	0.006644518
4	131965131	132354287	389 156	1	0.003322259
4	188498590	189313688	815 098	1	0.003322259
5	9529809	9990381	460 572	1	0.003322259
5	32107381	32159517	52 136	1	0.003322259
5	34003361	34663915	660 554	1	0.003322259
5	129648250	130330467	682 217	1	0.003322259
6	95354276	95676106	321 830	1	0.003322259
6	137941485	138002056	60 571	1	0.003322259

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Supplementary Table SI *Continued*

Chr	Start (hg19)	End (hg19)	Length (bp)	Cases (n = 301)	CNVR frequency in cases
6	161362678	161469774	107 096	1	0.003322259
6	168352586	168597242	244 656	3	0.009966777
6	170713690	170890384	176 694	1	0.003322259
7	37445	68920	31 475	1	0.003322259
7	132529	162448	29 919	2	0.006644518
7	13193276	13244473	51 197	1	0.003322259
7	17584021	17640215	56 194	1	0.003322259
7	21483605	21589243	105 638	1	0.003322259
7	29209361	29535998	326 637	1	0.003322259
7	37741319	37885121	143 802	1	0.003322259
7	57481104	57621951	140 847	1	0.003322259
7	62043624	62336389	292 765	6	0.019933555
7	76289033	76476970	187 937	1	0.003322259
7	76432653	76476970	44 317	3	0.009966777
7	100968363	101127455	159 092	1	0.003322259
7	140070378	140129626	59 248	1	0.003322259
8	11745820	11860259	114 439	1	0.003322259
8	104996667	105229526	232 859	1	0.003322259
8	130866512	131107094	240 582	1	0.003322259
9	46587	262191	215 604	1	0.003322259
9	244457	262191	17 734	2	0.006644518
9	4287179	5579213	1 292 034	2	0.006644518
9	104819532	104883836	64 304	1	0.003322259
9	138149166	138237120	87 954	1	0.003322259
10	47013328	47703946	690 618	42	0.139534883
10	132547998	133057358	509 360	1	0.003322259
10	135252347	135378802	126 455	2	0.006644518
11	34642823	34796804	153 981	1	0.003322259
11	50023832	50682188	658 356	3	0.009966777
11	107554267	108004957	450 690	1	0.003322259
11	133433026	133716356	283 330	1	0.003322259
11	134369417	134714635	345 218	1	0.003322259
12	7895024	8014573	119 549	5	0.016611296
12	31157554	31391194	233 640	15	0.049833887
12	36702406	37120187	417 781	1	0.003322259
12	38416139	38653605	237 466	1	0.003322259
12	63946056	64116159	170 103	1	0.003322259
12	100307887	100452062	144 175	1	0.003322259
12	104908843	105074764	165 921	1	0.003322259
12	109547668	109661414	113 746	1	0.003322259
12	125260645	125321461	60 816	1	0.003322259
12	129806980	130480186	673 206	1	0.003322259
13	23368834	24815661	1 446 827	1	0.003322259
13	24936847	25010174	73 327	1	0.003322259
13	66172692	66345298	172 606	1	0.003322259
13	68194708	68272196	77 488	1	0.003322259
13	90387808	90490883	103 075	1	0.003322259

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Supplementary Table SI *Continued*

Chr	Start (hg19)	End (hg19)	Length (bp)	Cases (n = 301)	CNVR frequency in cases
13	95937149	96030662	93 513	1	0.003322259
13	111676920	111746149	69 229	1	0.003322259
14	20213937	20420338	206 401	4	0.013289037
14	49463484	49657524	194 040	1	0.003322259
14	106124720	106949307	824 587	1	0.003322259
15	22076598	22219100	142 502	1	0.003322259
15	32049125	32418038	368 913	2	0.006644518
15	34800595	35026251	225 656	1	0.003322259
15	82429837	82691453	261 616	1	0.003322259
15	100988564	101401627	413 063	1	0.003322259
15	102251993	102461162	209 169	1	0.003322259
16	9194963	9356311	161 348	1	0.003322259
16	13889247	14163635	274 388	1	0.003322259
16	29779861	29980031	200 170	1	0.003322259
16	75539436	75577559	38 123	1	0.003322259
17	34815551	36220373	1 404 822	1	0.003322259
17	44249096	44293020	43 924	1	0.003322259
17	77365534	77394037	28 503	1	0.003322259
18	9450518	9547947	97 429	1	0.003322259
18	14774429	15375878	601 449	1	0.003322259
18	65274155	65597947	323 767	2	0.006644518
19	20835290	20987550	152 260	2	0.006644518
19	34480641	34687560	206 919	1	0.003322259
19	48085766	48160500	74 734	1	0.003322259
19	52272131	52588718	316 587	1	0.003322259
20	23619740	23727830	108 090	1	0.003322259
21	19888645	25594975	5 706 330	1	0.003322259
21	27502468	27849346	346 878	1	0.003322259
22	18892575	19026403	133 828	2	0.006644518
22	20220764	21024880	804 116	3	0.009966777
22	22312879	22556358	243 479	2	0.006644518
22	25661725	25910879	249 154	4	0.013289037
22	37485062	37618530	133 468	1	0.003322259
X	6497085	6596639	99 554	3	0.009966777
X	6516735	8135053	1 618 318	2	0.006644518
X	22818110	22862852	44 742	1	0.003322259
X	31453403	31560484	107 081	1	0.003322259
X	38490844	38624791	133 947	1	0.003322259
X	66905875	67475065	569 190	1	0.003322259
X	134292131	134852104	559 973	1	0.003322259