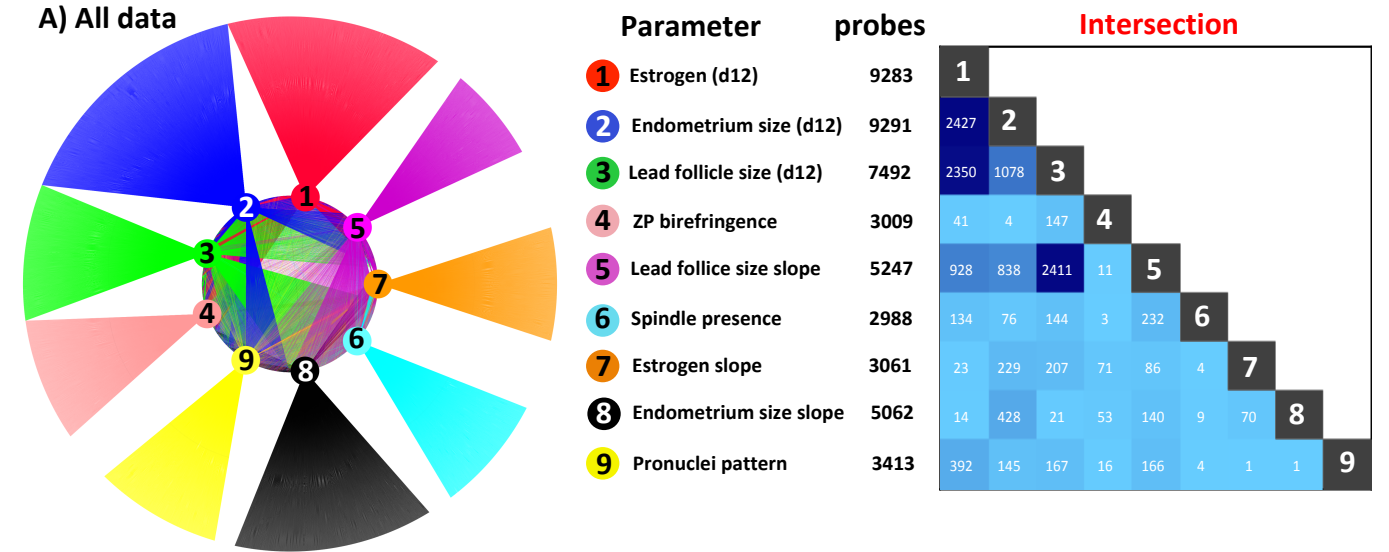


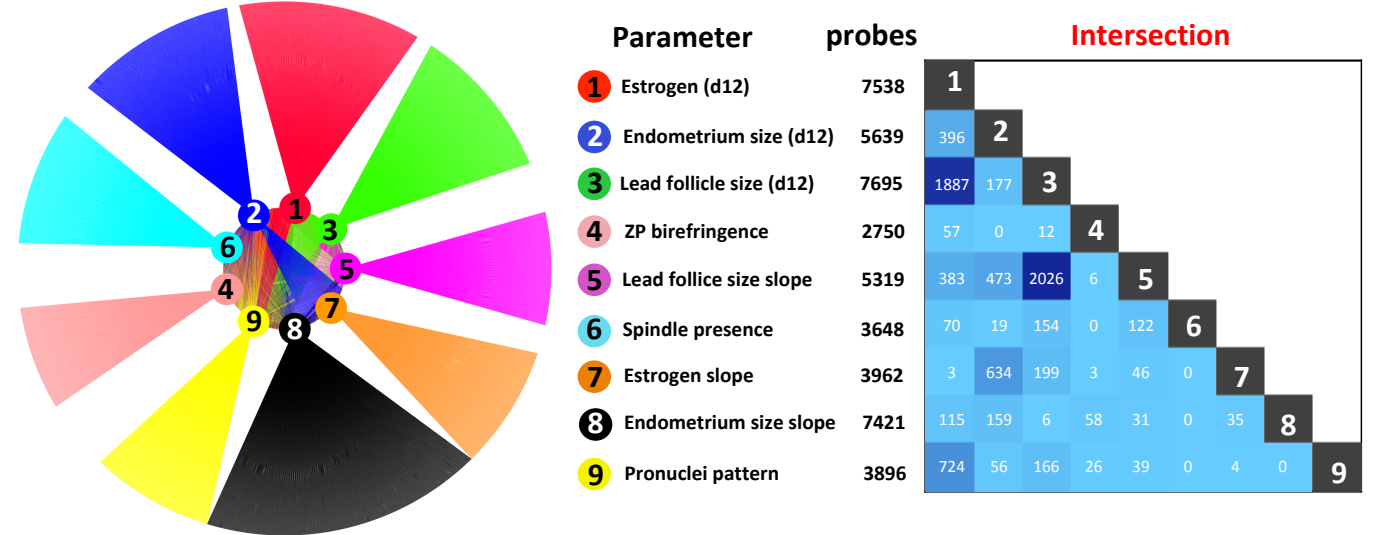
Supplementary Figure 3

A) All data



Estrogen (d12)		End. size (d12)		Lead foll. size (d12)		ZP birefringence		Lead foll. size slope		Spindle presence		Estrogen slope		Endo. Size slope		Pronuclei pattern	
cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value
cg01081438	1,00E-04	cg12244647	1,00E-04	cg11574174	1,00E-04	cg15006101	1,06E-04	cg02143936	1,01E-04	cg12398870	1,03E-04	cg12339131	1,08E-04	cg02567750	1,02E-04	cg03663984	1,00E-04
cg03879460	1,00E-04	cg16145187	1,01E-04	cg04117764	1,01E-04	cg16271912	1,06E-04	cg07313705	1,08E-04	cg08021564	1,08E-04	cg05487769	1,12E-04	cg04792777	1,07E-04	cg26555401	1,01E-04
cg26679884	1,01E-04	cg06550274	1,01E-04	cg25691775	1,01E-04	cg10374523	1,08E-04	cg16412745	1,08E-04	cg02406084	1,19E-04	cg13150801	1,13E-04	cg14495443	1,09E-04	cg12290635	1,01E-04
cg05870739	1,01E-04	cg01577114	1,02E-04	cg01836137	1,02E-04	cg19363579	1,16E-04	cg17421062	1,08E-04	cg14143519	1,36E-04	cg11379315	1,20E-04	cg25822881	1,09E-04	cg24671229	1,02E-04
cg00206463	1,02E-04	cg18676273	1,03E-04	cg04834502	1,02E-04	cg02929310	1,19E-04	cg08790807	1,10E-04	cg05192145	1,42E-04	cg11177059	1,21E-04	cg22185268	1,15E-04	cg12286540	1,19E-04
cg25705508	1,03E-04	cg22576055	1,04E-04	cg13127920	1,04E-04	cg15819808	1,29E-04	cg09633081	1,11E-04	cg16702014	1,56E-04	cg13661648	1,22E-04	cg12937413	1,17E-04	cg26276327	1,23E-04
cg26205751	1,03E-04	cg21340093	1,04E-04	cg00039864	1,04E-04	cg04414683	1,30E-04	cg17054045	1,11E-04	cg23167594	1,69E-04	cg26167010	1,23E-04	cg01410801	1,19E-04	cg21544658	1,30E-04
cg17965926	1,05E-04	cg01874081	1,05E-04	cg23793213	1,04E-04	cg12873262	1,41E-04	cg23950724	1,12E-04	cg05109266	1,72E-04	cg09230938	1,24E-04	cg19490678	1,19E-04	cg00647106	1,49E-04
cg00875849	1,05E-04	cg13562284	1,05E-04	cg22865908	1,04E-04	cg04289130	1,43E-04	cg08319019	1,13E-04	cg16279748	1,78E-04	cg06792126	1,26E-04	cg12932539	1,21E-04	cg04324615	1,53E-04
cg08691159	1,05E-04	cg15227231	1,05E-04	cg21240736	1,05E-04	cg11260046	1,46E-04	cg24357503	1,13E-04	cg21004129	1,93E-04	cg01931028	1,29E-04	cg08880817	1,21E-04	cg25757149	1,54E-04

B) Long protocol only



Estrogen (d12)		Endometrium size (d12)		Lead foll. size (d12)		ZP birefringence		Lead foll. size slope		Spindle presence		Estrogen slope		Endo. Size slope		Pronuclei pattern	
cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value	cg numb.	p Value
cg23489384	2,14E-10	cg13184710	6,10E-10	cg24826564	9,28E-08	cg05017628	3,09E-06	cg17466245	3,96E-07	cg12829747	2,22E-06	cg08198851	2,98E-07	cg02611183	3,92E-07	cg27579097	5,41E-07
cg13979581	6,03E-09	cg11666534	6,23E-09	cg09404119	2,93E-06	cg04923496	6,08E-06	cg03253629	3,00E-06	cg13454226	6,36E-06	cg23970189	1,91E-06	cg16757384	9,11E-07	cg19519630	2,32E-06
cg15469871	7,25E-09	cg01872988	1,08E-08	cg00555420	3,19E-06	cg14265502	1,06E-05	cg12085660	5,84E-06	cg14843143	9,38E-06	cg02275035	2,31E-06	cg18446336	1,41E-06	cg07270289	3,31E-06
cg03075889	1,00E-08	cg17220237	1,20E-08	cg02226252	3,52E-06	cg06350432	1,37E-05	cg16322581	6,03E-06	cg17900495	1,22E-05	cg02614045	2,58E-06	cg11340603	2,03E-06	cg21544658	5,14E-06
cg04227238	1,46E-08	cg09289202	1,40E-08	cg24453349	4,11E-06	cg14725392	1,50E-05	cg13869341	6,78E-06	cg16513905	1,82E-05	cg01527307	4,05E-06	cg00946479	2,40E-06	cg27573975	6,61E-06
cg13824456	2,02E-08	cg08293392	1,68E-08	cg15312203	5,41E-06	cg20445967	2,33E-05	cg07222421	1,05E-05	cg19821361	1,95E-05	cg26499095	4,39E-06	cg07207937	2,75E-06	cg07107453	7,43E-06
cg20536971	3,01E-08	cg19021236	3,07E-08	cg02366642	5,98E-06	cg03286774	2,39E-05	cg18881641	1,09E-05	cg09730697	2,16E-05	cg26161820	4,91E-06	cg07672051	3,90E-06	cg20342460	8,60E-06
cg10295955	1,20E-07	cg21467828	3,67E-08	cg24770292	6,91E-06	cg16458170	2,50E-05	cg27286337	1,17E-05	cg19983801	2,35E-05	cg22836207	5,17E-06	cg06836319	4,31E-06	cg16841748	1,21E-05
cg10879348	3,39E-07	cg03279219	5,13E-08	cg00813440	7,82E-06	cg02172312	2,74E-05	cg08060578	1,52E-05	cg05425877	2,42E-05	cg00998146	5,87E-06	cg11478766	5,15E-06	cg09254001	1,24E-05
cg23636571	6,66E-07	cg10759817	5,38E-08	cg23134838	9,51E-06	cg09845000	2,77E-05	cg05101920	2,03E-05	cg26449450	2,48E-05	cg18992293	6,60E-06	cg13667243	5,37E-06	cg17757000	1,41E-05

Suppl. Figure 4 : Correlation between clinical parameters and the methylation data when considering A) all data or B) only long protocol. The left diagram display the overlaps in genes set correlated with the clinical parameters. The middle panel shows the number of probes positively correlated at 0.001 with each of the clinical parameters. The right triangle shows the number of overlapping probes between two clinical parameters. The top 10 correlated cgs are listed for each clinical parameter.