# Supplementary Appendix

## SUPPLEMENTARY S1: FOLLOW-UP PROTOCOL

Day	Scr	1-7	8 - 14	15 - 21	22 – 28	29 - 35	36 - 42	43 – 49	50 – 56	57 – 63	71 - 77	78 – 84	85 – 91	113 - 119	246 – 252	330 – 336
Week		1	2	3	4	5	6	7	8	9	11	12	13	17	36	48
Informed Consent	x															
Anamnesis	Х															
Clinical examination	x	X				x				Х			Х	х	х	Х
Transvaginal ultrasound	x	X				x				Х			Х	х	х	X
Administration of r-hCG		3 x per	3 x per Week	3 x per	3 x per	3 x per										
Biopsy		X	WEEK	WCCK	WCCK	WCCK	WCCK	WCCK	VVCCK	WCCK	WCCK	WCCK	х		х	
Blood test (hematology & biochemistry)		X				х				X			x	Х	х	X
Blood test (E <sub>2</sub> , progesterone, βhCG)		Х				x				Х			x	Х	х	X
Questionnaire "Side effects of Ovidrel®"						x				Х			х	X		

Supplementary S1: Flow chart of the study from screening (scr) until the end of the study and the safety follow up. Participants were excluded if they were receiving any other agents, investigational or otherwise, for the purpose of primary prevention; if they had a history of allergic reactions attributed to compounds of similar chemical or biologic composition to r-hCG preparations or one of its excipients; if they were receiving medications that could interfere with the study protocol objectives such as prednisone, thyroid hormones, or insulin; if they had previous treatment with follicle-stimulating hormone (FSH) for assisted reproduction; if they had uncontrolled intercurrent illness including, but not limited to ovarian enlargement of undetermined origin, ongoing or active infection, NYHA  $\geq$  class 1 congestive heart failure, unstable angina pectoris, cardiac arrhythmia, severe cognitive deficit or psychiatric illness/social situations that could make the participant unable to give informed consent or would limit compliance with study requirements; or if they were HIV-positive, or had an infection with hepatitis B or C.

## SUPPLEMENTARY S2: MATERIALS AND METHODS

#### SPIROTOME® BIOPSY

The Spirotome® biopsy was performed on the right lower inferior quadrant of the breast. The site was chosen to give the least esthetic impact of the small scan scar that may originate from the biopsy. An area with enough glandular tissue was selected by breast ultrasound (12-15 Hz probe, Medison, Germany). After disinfection of the skin a disposable drape with an 8-cm round opening was attached to the biopsy area. First a local anesthetic (0.5 mL 1% xylocaine) was injected into the skin using a 26-gauge needle. The future trajectory of the Spirotome® biopsy was then anaesthetized using 10 mL of the anesthetic injected via a 22-gauge needle. A small 4-mm cut in the skin was performed using a pointed bistoury. Subsequently the Spirotome® trocar was inserted. The Spirotome® helix was gently used to remove tissue. After the removal of the first sample, a second insertion of the Spirotome® helix was performed through the cutting cannula/coax to remove a second tissue specimen. After the biopsy, the skin was covered with 3M Steri-Strips™.

Breast specimens were divided into 2 parts. One fragment was placed in 70% alcohol and the other tissue fragment was divided in different fragments and stored in RNA*later*. All biopsies were performed by H. Depypere and sent to Prof. Jose Russo, MD, at the Irma H. Russo, MD-Breast Cancer Research Laboratory at the Fox Chase Cancer Center (FCCC) Temple Health in Philadelphia, USA, in a special box provided by Bioncise (Professor Janssens). The biopsies were always taken on Monday, Tuesday, or Wednesday so that the shipment with chemical icepack, in special containers, was done during the week. This avoided delays in shipments to FCCC due to weekends or holidays. Special attention was given to sending an email after the biopsy, to notify the staff at the FCCC that a shipment was on its way.

The shipment of breast biopsies from Belgium to Philadelphia usually takes 3-4 days. Breast tissues fixed in 70% ethanol were processed using a Modular Vacuum Processor (manufactured by Instrumentation Laboratory) upon receipt at FCCC. Breast tissue biopsy fragments in RNA*later* were immediately stored in a freezer at -80°C upon receiving.

#### HEMATOXYLIN & EOSIN (H&E) STAINING

Paraffin blocks were prepared using a Leica EG1160 Embedding Station. Paraffin sections at 4  $\mu$ m thickness were sectioned using a Microm HM300 Microtome. The H&E staining was performed following a standard protocol.

## IMMUNOHISTOCHEMISTRY (IHC)

Paraffin sections at 4 µm were stained with primary antibodies using a i6000 BioGenex Autostainer following a standard protocol. The antibodies used were as follows: purified mouse anti-E-cadherin (BD Biosciences, #610182) at a dilution of 1:200, Tri-methyl-Histone (Lys27) (C36B11) Rabbit mAb (Cell signaling, #9733S) at a dilution of 1:800. A Super Sensitive TM Polymer-HRP Detection System (BioGenex, #QD430-XAKE) was used to detect the staining. Tissues were counterstained with hematoxylin. The images were acquired using an Olympus DP72 microscope.

#### RNA ISOLATION AND SEQUENCING

Total RNA was extracted within a month after all samples were received using the RNeasy Lipid Tissue Mini kit (Qiagen, US) according to the manufacturer's protocol. The RNA quality was measured by a Nanodrop<sup>TM</sup>- Nd-1000 Spectrophotometer (Thermo Fisher Scientific, US)

and integrity was evaluated using a 2100 Bioanalyzer Instrument (Agilent Technologies, US) with an RNA 6000 Pico kit (Agilent Technologies, US) according to the manufacturer's protocol. RNA samples with an RNA integrity number (RIN) less than 4.8 were discarded. Library construction was performed using PE100 strand-specific library preparation for eukaryote (BGI, CA, US) as described in Supplementary S1 to generate DNA nanoball (DNB), which had more than 300 copies of one molecule. The DNBs were loaded into the patterned nanoarray and pair end 100 bases reads were generated by combinatorial Probe-Anchor Synthesis (cPAS) on the BGISEQ-500 platform (BGI, CA, US) with more than 60 million reads delivered to each of the samples. The library construction and sequencing were carried out by the BGI Company in Hong Kong.

#### PRIMARY RNA-SEQ ANALYSIS

All the raw sequences were quality checked using FastQC (Babraham Institute, USA) prior to alignment. The raw reads were quality filtered to remove low-quality reads using Genomic Workbench version 12.0 (USA). Then the cleaned reads were used for mapping against the Homo\_sapiens. GRCh38 reference genomes (Esemble GRCh38/hg38) using CLC Genomics Workbench version 12.0.3 (Qiagen, US). In total, there were 166 files sequenced with each containing from 128-199 million reads. The mapping rate ranged from approximately 98% to 99% for all the samples. For analyses, only the reads aligned to 23 pairs of human chromosomes were considered. To estimate the expression level, the number of exon reads mapped per kilobase per million mapped reads, RPKM, for each gene was measured using CLC Genomics Workbench version 12.0.3 (Qiagen, US)1,2. Each gene was modeled by a separate Generalized Linear Model (GLM). The Robinson and Smyth's Exact Test<sup>3</sup>, implemented in the CLC Genomics Workbench version 12.0.3 (Qiagen, US), which assumes a Negative Binomial distribution of the data and takes into account the overdispersion caused by biological variability, was used to compare expression levels between each time point for treated group and controls. Fold changes were calculated from the GLM, which corrects for differences in library size between the samples. A false discovery rate (FDR)-adjusted p-value of (FDRp) ≤0.05 was chosen to indicate statistical significance. The genes with absolute fold change (FC) larger than 1.5 and with an FDR p less than 0.05 were considered as differentially expressed genes (DEGs).

- 1. Tong M, Chan KW, Bao JYJ, et al. Rab25 Is a Tumor Suppressor Gene with Antiangiogenic and Anti-Invasive Activities in Esophageal Squamous Cell Carcinoma. Cancer Res 2012;72:6024-35.
- 2. Mortazavi A, Williams BA, McCue K, Schaeffer L, Wold B. Mapping and quantifying mammalian transcriptomes by RNA-Seq. Nature methods 2008;5:621-8.
- 3. Robinson MD, Smyth GK. Small-sample estimation of negative binomial dispersion, with applications to SAGE data. Biostastics 2008;9:321-32.

#### SUPPLEMENTARTY 3: LIBRARY CONSTRUCTION AND RNA SEQUENCING:

For PE100 strand-specific library preparation the first step in the workflow involved purifying the poly-A containing mRNA molecules using poly-T oligo-attached magnetic beads. Following purification, the mRNA was fragmented into small pieces using divalent cations under elevated temperature. The cleaved RNA fragments were copied into first strand cDNA using reverse transcriptase and random primers. This was followed by second strand cDNA synthesis using DNA Polymerase I and RNase H. This process removes the RNA template and synthesizes a replacement strand, incorporating dUTP in place of dTTP to generate dscDNA. The incorporation of dUTP quenched the second strand during amplification. These cDNA fragments were added with a single 'A' base and subsequently ligated to the adapter. The resultant product was purified and enriched with PCR amplification to yield the final cDNA library. The PCR yield was quantified and was subjected to single strand circularized DNA molecule (ssDNA circle) preparation for final library construction. DNA nanoballs (DNBs) were generated with the ssDNA circle by rolling circle replication (RCR) to intensify the fluorescent signals during the sequencing process. The DNBs were then loaded into the patterned nanoarrays and pair-end reads of 100 bp were read through on the BGISEQ-500 platform for subsequent data analysis.

# SUPPLEMENTARY S4, PARTICIPANTS QUALIFIED FOR RNA-SEQ OR HISTOLOGY ANALYSIS

Group without contraceptives--

-responders

Participant	RNA-	
ID	seq	Histology
101	Υ	Υ
103	Υ	Υ
104	Υ	N
105	Υ	N
107	Υ	Υ
108	Υ	Υ
109	Υ	Υ
110	Υ	Υ
114	Υ	Υ
121	Υ	N
124	Υ	Υ
129	N	Υ

Group with contaceptives---low responders

Participant	RNA-	
ID	seq	Histology
102	Υ	Υ
106	Υ	N
111	N	Υ
113	Υ	Υ
115	Υ	Υ
116	Υ	Υ
117	N	Υ
118	Υ	Υ
119	Υ	Υ
120	N	Υ
122	N	Υ
123	N	Υ
125	Υ	N
126	Υ	Υ
127	Υ	Υ
128	Υ	Υ
130	N	Υ
131	Υ	Υ
132	Υ	Υ
133	Υ	Υ

Y: tissue used for analysis

N: tissue not used for analysis due to short of material at some time points

# SUPPLEMENTARY S5: SEQUENCE READS PER SAMPLE AND READS STATISTICS

Q20(%): The number of nucleotide with quality higher than 20/total nucleotide.

GC(%): GC number/total nucleotide

Sample Name	Total Reads	Total bases	Read length (bp)	Q20(%)	GC(%)
10101	143.991.168	14.399.116.800	100	96,66%	48,31%
10102	138.194.028	13.819.402.800	100	97,21%	48,35%
101-03	154.515.884	15.451.588.400	100	97,45%	50,23%
101-04	153.386.238	15.338.623.800	100	97,07%	49,67%
10201	149.790.736	14.979.073.600	100	96,72%	48,38%
10202	130.168.692	13.016.869.200	100	97,12%	48,07%
102-03	154.098.226	15.409.822.600	100	97,29%	49,17%
102-04	152.637.118	15.263.711.800	100	97,12%	49,31%
10301	154.002.070	15.400.207.000	100	96,74%	47,82%
10302	153.358.184	15.335.818.400	100	97,16%	48,60%
10303	142.644.022	14.264.402.200	100	96,81%	48,42%
103-04	152.845.046	15.284.504.600	100	97,28%	49,16%
10401	156.145.510	15.614.551.000	100	96,60%	48,07%
10402	129.155.544	12.915.554.400	100	96,80%	48,32%
10403	135.231.130	13.523.113.000	100	96,91%	48,18%
10501	154.591.948	15.459.194.800	100	96,73%	48,10%
10502	153.366.614	15.336.661.400	100	97,25%	48,63%
105-03	151.585.202	15.158.520.200	100	97,21%	49,25%
10601	138.942.698	13.894.269.800	100	96,02%	48,28%
10602	152.625.474	15.262.547.400	100	97,09%	47,79%
10603	182.285.912	18.228.591.200	100	96,39%	48,43%
10701	146.916.572	14.691.657.200	100	96,02%	47,48%
10702	168.878.200	16.887.820.000	100	96,45%	47,52%
10703	199.580.496	19.958.049.600	100	96,33%	48,45%
10801	156.248.640	15.624.864.000	100	97,06%	47,51%
10802	155.092.526	15.509.252.600	100	96,68%	48,23%
10803	154.992.088	15.499.208.800	100	95,99%	47,65%
108-04	151.095.294	15.109.529.400	100	97,11%	49,46%
10901	199.514.766	19.951.476.600	100	95,90%	47,83%
10903	132.635.004	13.263.500.400	100	96,00%	48,17%
109-02	151.667.322	15.166.732.200	100	97,11%	49,64%
109-04	152.261.604	15.226.160.400	100	97,22%	48,92%
11001	200.618.464	20.061.846.400	100	96,21%	49,03%
11002	137.148.764	13.714.876.400	100	96,91%	48,42%
11003	128.309.514	12.830.951.400	100	96,07%	47,92%
11301	142.422.860	14.242.286.000	100	96,98%	48,03%
11302	142.404.814	14.240.481.400	100	96,81%	48,23%
113-03	152.335.808	15.233.580.800	100	96,96%	50,02%
113-04	152.210.202	15.221.020.200	100	97,06%	48,84%

11401	154.269.654	15.426.965.400	100	97,17%	47,86%
11402	130.012.576	13.001.257.600	100	96,83%	48,18%
11403	154.079.896	15.407.989.600	100	95,91%	48,60%
11501	141.405.550	14.140.555.000	100	96,80%	47,66%
11502	160.798.294	16.079.829.400	100	96,83%	48,00%
11503	122.507.962	12.250.796.200	100	95,84%	48,09%
11601	153.316.018	15.331.601.800	100	97,14%	47,96%
11602	193.361.616	19.336.161.600	100	97,21%	47,73%
116-03	150.671.982	15.067.198.200	100	97,04%	49,41%
116-04	152.784.560	15.278.456.000	100	97,00%	48,75%
11801	157.952.978	15.795.297.800	100	95,71%	48,49%
11802	155.257.552	15.525.755.200	100	96,82%	48,56%
118-03	152.049.572	15.204.957.200	100	96,88%	48,94%
11901	126.820.316	12.682.031.600	100	96,67%	48,36%
11902	142.142.572	14.214.257.200	100	96,97%	48,26%
11903	144.509.820	14.450.982.000	100	96,43%	48,10%
119-04	152.657.166	15.265.716.600	100	97,10%	48,44%
12101	134.550.074	13.455.007.400	100	97,28%	47,82%
12102	202.806.818	20.280.681.800	100	96,29%	48,61%
12103	148.559.214	14.855.921.400	100	96,36%	48,50%
12401	153.762.190	15.376.219.000	100	97,27%	47,76%
12402	162.904.852	16.290.485.200	100	96,61%	48,48%
124-03	131.288.674	13.128.867.400	100	97,94%	47,04%
12501	156.258.488	15.625.848.800	100	97,29%	48,30%
12502	144.602.166	14.460.216.600	100	97,00%	48,39%
125-03	154.119.620	15.411.962.000	100	97,50%	49,72%
12601	156.250.386	15.625.038.600	100	97,24%	48,00%
12602	121.850.198	12.185.019.800	100	96,82%	47,83%
126-03	140.812.394	14.081.239.400	100	97,22%	49,83%
12701	153.199.030	15.319.903.000	100	97,34%	48,29%
12702	138.172.606	13.817.260.600	100	97,16%	48,45%
127-03	153.655.730	15.365.573.000	100	97,29%	48,91%
12801	150.606.992	15.060.699.200	100	97,37%	47,68%
128-02	152.945.874	15.294.587.400	100	97,25%	49,59%
128-03	152.605.622	15.260.562.200	100	97,20%	48,66%
13102	120.601.400	12.060.140.000	100	97,10%	48,39%
131-01	154.461.850	15.446.185.000	100	97,20%	49,42%
131-03	148.824.798	14.882.479.800	100	97,17%	49,45%
13201	157.557.148	15.755.714.800	100	97,34%	48,14%
13202	160.913.456	16.091.345.600	100	96,72%	48,00%
132-03	152.918.778	15.291.877.800	100	97,08%	49,79%
13301	151.692.278	15.169.227.800	100	97,18%	48,24%
133-02	153.367.878	15.336.787.800	100	97,25%	49,28%
133-03	152.144.032	15.214.403.200	100	96,99%	48,90%

# <u>SUPPLEMENTARY S6: STATISTICS OF READS GENERATED FROM FORWARD AND REVERSE SEQUENCING FOR EACH SAMPLE</u>

Sample Name	% Dups	% GC	M Seqs
10101_1	61,20%	48%	<sub>6</sub> 72
10101_2	60,00%	48%	<sub>6</sub> 72
10102_1	65,00%	48%	69,1
10102_2	63,30%	48%	69,1
101-03_1	70,90%	50%	77,3
101-03_2	69,10%	50%	77,3
101-04_1	70,40%	49%	6 76,7
101-04_2	66,80%	49%	76,7
10201_1	66,50%	48%	6 74,9
10201_2	64,50%	48%	6 74,9
10202_1	71,30%	48%	65,1
10202_2	69,90%	48%	65,1
102-03_1	75,20%	49%	, 77
102-03_2	72,20%	49%	ъ́ 77
102-04_1	50,50%	49%	76,3
102-04_2	78,30%	49%	76,3
10301_1	67,10%	47%	, 77
10301_2	65,20%	47%	, 77
10302_1	68,80%	48%	76,7
10302_2	67,50%	48%	76,7
10303_1	64,50%	48%	6 71,3
10303_2	60,80%	48%	6 71,3
103-04_1	48,40%	49%	6 76,4
103-04_2	74,80%	49%	6 76,4
10401_1	67,70%	48%	6 78,1
10401_2	66,20%	48%	6 78,1
10402_1	70,40%	48%	64,6
10402_2	67,60%	48%	64,6
10403_1	62,20%	48%	67,6
10403_2	58,80%	48%	67,6
10501_1	59,60%	48%	77,3
10501_2	59,00%	48%	77,3
10502_1	64,70%	48%	76,7
10502_2	63,10%	48%	6 76,7
105-03_1	67,60%	49%	75,8
105-03_2	67,10%	49%	6 75,8
10601_1	64,70%	48%	69,5
10601_2	65,70%	48%	69,5

10602_1         66,10%         47%         76,3           10602_2         63,70%         47%         76,3           10603_1         69,70%         48%         91,1           10701_2         67,70%         48%         91,1           10702_1         64,90%         47%         84,4           10702_2         62,50%         47%         84,4           10703_1         61,20%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         99,8           10801_1         65,40%         47%         78,1           10802_1         61,20%         48%         77,5           10802_1         61,20%         48%         77,5           10803_1         61,50%         47%         77,5           10802_2         61,30%         48%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           10901_1         66,20%         47%         99,8				
10603_1         69,70%         48%         91,1           10603_2         67,70%         48%         91,1           10701_2         67,50%         47%         73,5           10702_1         64,90%         47%         84,4           10703_2         62,50%         47%         84,4           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           10803_1         61,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           109-04_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8	10602_1	66,10%	47%	76,3
10603_2         67,70%         48%         91,1           10701_2         67,50%         47%         73,5           10702_1         64,90%         47%         84,4           10702_2         62,50%         47%         84,4           10703_1         61,20%         48%         99,8           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_1         61,20%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           109-04_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           109-02_1         48,70%         48%         66,3	10602_2	63,70%	47%	76,3
10701_2         67,50%         47%         73,5           10702_1         64,90%         47%         84,4           10702_2         62,50%         47%         84,4           10703_1         61,20%         48%         99,8           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           109-04_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           10902_1         66,20%         47%         99,8           10903_2         58,40%         48%         66,3           109-02_1         48,70%         49%         75,8	10603_1	69,70%	48%	91,1
10702_1         64,90%         47%         84,4           10702_2         62,50%         47%         84,4           10703_1         61,20%         48%         99,8           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           108-04_2         76,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           109-04_2         78,60%         49%         75,5           109-01_1         66,20%         47%         99,8           10903_1         64,20%         48%         66,3           109-03_2         58,40%         48%         66,3           109-04_1         49,70%         48%         76,1           109-04_2         75,70%         48%         76,1           <	10603_2	67,70%	48%	91,1
10702_2         62,50%         47%         84,4           10703_1         61,20%         48%         99,8           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           10901_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           10903_1         64,20%         48%         66,3           10903_1         64,20%         48%         66,3           109-02_1         48,70%         49%         75,8           109-02_1         48,70%         49%         75,8           109-04_2         75,70%         48%         76,1	10701_2	67,50%	47%	73,5
10703_1         61,20%         48%         99,8           10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           10901_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           10903_1         64,20%         48%         66,3           10903_2         58,40%         48%         66,3           109-02_1         48,70%         49%         75,8           109-02_2         73,70%         49%         75,8           109-04_2         75,70%         48%         76,1           11001_1         67,90%         48%         100,3	10702_1	64,90%	47%	84,4
10703_2         68,50%         48%         99,8           10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           108-04_2         78,60%         49%         75,5           109-01_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           10903_1         64,20%         48%         66,3           10903_2         58,40%         48%         66,3           109-02_1         48,70%         49%         75,8           109-02_2         73,70%         49%         75,8           109-04_2         75,70%         48%         76,1           11001_1         67,90%         48%         100,3	10702_2	62,50%	47%	84,4
10801_1         65,40%         47%         78,1           10801_2         63,30%         47%         78,1           10802_1         61,20%         48%         77,5           10802_2         61,30%         48%         77,5           10803_1         61,50%         47%         77,5           10803_2         56,50%         47%         77,5           108-04_1         52,60%         49%         75,5           108-04_2         78,60%         49%         75,5           10901_1         66,20%         47%         99,8           10901_2         64,50%         47%         99,8           10903_1         64,20%         48%         66,3           10903_2         58,40%         48%         66,3           109-02_1         48,70%         49%         75,8           109-02_1         48,70%         49%         75,8           109-04_2         75,70%         48%         76,1           109-04_2         75,70%         48%         76,1           1001_1         67,90%         48%         100,3           11002_1         61,10%         48%         68,6	10703_1	61,20%	48%	99,8
10801_2       63,30%       47%       78,1         10802_1       61,20%       48%       77,5         10802_2       61,30%       48%       77,5         10803_1       61,50%       47%       77,5         10803_2       56,50%       47%       77,5         108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         109-03_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_1       48,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1	10703_2	68,50%	48%	99,8
10802_1       61,20%       48%       77,5         10802_2       61,30%       48%       77,5         10803_1       61,50%       47%       77,5         10803_2       56,50%       47%       77,5         108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-04_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11302_1	10801_1	65,40%	47%	78,1
10802_2       61,30%       48%       77,5         10803_1       61,50%       47%       77,5         10803_2       56,50%       47%       77,5         108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         10004_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11002_1       61,10%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       76,2         113-03_1 <th>10801_2</th> <th>63,30%</th> <th>47%</th> <th>78,1</th>	10801_2	63,30%	47%	78,1
10803_1       61,50%       47%       77,5         10803_2       56,50%       47%       77,5         108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_1       62,60%       48%       71,2         11302_2       59,30%       48%       71,2         11303_2       76,90%       50%       76,2         113-04_1	10802_1	61,20%	48%	77,5
10803_2       56,50%       47%       77,5         108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10903_1       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-04_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         11001_1       67,90%       48%       76,1         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_1       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_1       62,60%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_2	10802_2	61,30%	48%	77,5
108-04_1       52,60%       49%       75,5         108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10903_1       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       76,1         11001_2       66,20%       49%       100,3         11002_1       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11303_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1	10803_1	61,50%	47%	77,5
108-04_2       78,60%       49%       75,5         10901_1       66,20%       47%       99,8         10903_1       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11003_1       62,70%       47%       64,2         11301_2       60,70%       48%       71,2         11301_1       62,60%       48%       71,2         11302_1       59,10%       48%       71,2         11302_1       59,10%       48%       76,2         113-03_1       51,30%       48%       76,2         113-04_1       50,20%       48%       76,1         113-04_2	10803_2	56,50%	47%	77,5
10901_1       66,20%       47%       99,8         10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       48%       76,1         113-04_2 <th>108-04_1</th> <th>52,60%</th> <th>49%</th> <th>75,5</th>	108-04_1	52,60%	49%	75,5
10901_2       64,50%       47%       99,8         10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       50%       76,2         113-04_2       75,40%       48%       76,1         11401_1 <th>108-04_2</th> <th>78,60%</th> <th>49%</th> <th>75,5</th>	108-04_2	78,60%	49%	75,5
10903_1       64,20%       48%       66,3         10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_1       61,10%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	10901_1	66,20%	47%	99,8
10903_2       58,40%       48%       66,3         109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_1       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11303_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11302_1       59,10%       48%       71,2         11302_1       59,30%       48%       71,2         11303_1       51,30%       49%       76,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	10901_2	64,50%	47%	99,8
109-02_1       48,70%       49%       75,8         109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_1       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       50%       76,2         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	10903_1	64,20%	48%	66,3
109-02_2       73,70%       49%       75,8         109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11303_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11302_1       59,10%       48%       71,2         11302_1       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	10903_2	58,40%	48%	66,3
109-04_1       49,70%       48%       76,1         109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11303_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         11401_1       62,20%       47%       77,1	109-02_1	48,70%	49%	75,8
109-04_2       75,70%       48%       76,1         11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	109-02_2	73,70%	49%	75,8
11001_1       67,90%       48%       100,3         11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         11401_1       62,20%       47%       77,1	109-04_1	49,70%	48%	76,1
11001_2       66,20%       49%       100,3         11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	109-04_2	75,70%	48%	76,1
11002_1       61,10%       48%       68,6         11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11001_1	67,90%	48%	100,3
11002_2       61,30%       48%       68,6         11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11001_2	66,20%	49%	100,3
11003_1       62,70%       47%       64,2         11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11002_1	61,10%	48%	68,6
11003_2       57,50%       47%       64,2         11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11002_2	61,30%	48%	68,6
11301_1       62,60%       48%       71,2         11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11003_1	62,70%	47%	64,2
11301_2       60,70%       48%       71,2         11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11003_2	57,50%	47%	64,2
11302_1       59,10%       48%       71,2         11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11301_1	62,60%	48%	71,2
11302_2       59,30%       48%       71,2         113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11301_2	60,70%	48%	71,2
113-03_1       51,30%       49%       76,2         113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11302_1	59,10%	48%	71,2
113-03_2       76,90%       50%       76,2         113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	11302_2	59,30%	48%	71,2
113-04_1       50,20%       48%       76,1         113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	113-03_1	51,30%	49%	76,2
113-04_2       75,40%       48%       76,1         11401_1       62,20%       47%       77,1	113-03_2	76,90%	50%	76,2
<b>11401_1</b> 62,20% 47% 77,1	113-04_1	50,20%	48%	76,1
444 04 0	113-04_2	75,40%	48%	76,1
<b>11401_2</b> 60,40% 47% 77,1	11401_1	62,20%	47%	77,1
	11401_2	60,40%	47%	77,1

11402_1	57,10%	48%	65
11402_2	56,80%	48%	65
11403_1	60,80%	48%	77
11403_2	55,00%	48%	77
11501_1	68,90%	47%	70,7
11501_2	66,40%	47%	70,7
11502_1	72,00%	47%	80,4
11502_2	70,80%	48%	80,4
11503_1	70,10%	48%	61,3
11503_2	64,20%	48%	61,3
11601_1	66,20%	47%	76,7
11601_2	63,60%	47%	76,7
11602_1	71,80%	47%	96,7
11602_2	71,60%	47%	96,7
116-03_1	51,90%	49%	75,3
116-03_2	75,40%	49%	75,3
116-04_1	52,60%	48%	76,4
116-04_2	76,90%	48%	76,4
11801_1	67,80%	48%	79
11801_2	67,70%	48%	79
11802_1	70,50%	48%	77,6
11802_2	67,60%	48%	77,6
118-03_1	54,90%	48%	76
118-03_2	77,60%	49%	76
11901_1	67,40%	48%	63,4
11901_2	68,90%	48%	63,4
11902_1	61,80%	48%	71,1
11902_2	50,30%	48%	71,1
11903_1	64,00%	48%	72,3
11903_2	60,40%	48%	72,3
119-04_1	66,00%	48%	76,3
119-04_2	66,10%	48%	76,3
12101_1	66,10%	47%	67,3
12101_2	64,30%	47%	67,3
12102_1	65,30%	48%	101,4
12102_2	75,10%	48%	101,4
12103_1	71,80%	48%	74,3
12103_2	68,00%	48%	74,3
12401_1	60,90%	47%	76,9
12401_2	58,90%	47%	76,9
12402_1	64,00%	48%	81,5

12402_2         62,20%         48%         81,5           124-03_1         67,10%         46%         65,6           12501_1         65,30%         48%         78,1           12501_2         63,20%         48%         78,1           12502_1         66,60%         48%         72,3           12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         60,9           12602_1         68,50%         48%         78,1           12602_1         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_1         61,20%         48%         76,6           12702_1         64,00%         48%         69,1           127-03_1         75,20%         48%         76,8				
124-03_2         66,80%         47%         65,6           12501_1         65,30%         48%         78,1           12501_2         63,20%         48%         78,1           12502_1         66,60%         48%         72,3           12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12602_1         68,50%         47%         60,9           126-03_1         70,90%         49%         70,4           12702_2         66,00%         47%         60,9           12701_1         61,20%         48%         76,6           12701_1         61,20%         48%         76,6           12702_1         64,00%         48%         69,1           12702_2         60,10%         48%         69,1           127-03_1         75,20%         48%         76,8	12402_2	62,20%	48%	81,5
12501_1         65,30%         48%         78,1           12501_2         63,20%         48%         78,1           12502_1         66,60%         48%         72,3           12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12602_2         66,00%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12703_1         75,20%         48%         76,8           12801_1         65,40%         47%         75,3           12801_1         65,40%         47%         75,3	124-03_1	67,10%	46%	65,6
12501_2         63,20%         48%         78,1           12502_1         66,60%         48%         72,3           12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12602_2         66,00%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12703_1         75,20%         48%         76,8           128-03_1         75,20%         48%         76,8           128-01_1         65,40%         47%         75,3           128-02_1         72,20%         49%         76,5	124-03_2	66,80%	47%	65,6
12502_1         66,60%         48%         72,3           12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12703_2         73,00%         48%         76,8           127-03_1         75,20%         48%         76,8           127-03_2         73,00%         48%         76,8           128-01_1         75,20%         48%         76,8           128-02_1         72,20%         49%         76,5           128-02_1         72,20%         49%         76,5 <t< th=""><th>12501_1</th><th>65,30%</th><th>48%</th><th>78,1</th></t<>	12501_1	65,30%	48%	78,1
12502_2         63,70%         48%         72,3           125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12603_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12703_1         75,20%         48%         76,8           127-03_1         75,20%         48%         76,8           128-03_2         73,00%         48%         76,8           128-01_1         65,40%         47%         75,3           128-02_1         72,20%         49%         76,5           128-02_1         72,20%         49%         76,5           128-03_1         73,60%         48%         60,3	12501_2	63,20%	48%	78,1
125-03_1         71,70%         49%         77,1           125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12602_2         66,00%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12703_1         75,20%         48%         76,8           127-03_2         73,00%         48%         76,8           12801_1         65,40%         47%         75,3           128-02_1         72,20%         49%         76,5           128-02_1         72,20%         49%         76,5           128-03_1         73,60%         48%         60,3           13102_1         64,80%         48%         60,3	12502_1	66,60%	48%	72,3
125-03_2         70,40%         49%         77,1           12601_1         70,60%         47%         78,1           12601_2         68,50%         48%         78,1           12602_1         68,50%         47%         60,9           12602_2         66,00%         47%         60,9           126-03_1         70,90%         49%         70,4           126-03_2         68,60%         49%         70,4           12701_1         61,20%         48%         76,6           12701_2         59,50%         48%         76,6           12702_1         64,00%         48%         69,1           12702_2         60,10%         48%         69,1           127-03_1         75,20%         48%         76,8           127-03_2         73,00%         48%         76,8           12801_1         65,40%         47%         75,3           12801_2         64,00%         47%         75,3           128-02_1         72,20%         49%         76,5           128-03_1         73,60%         48%         76,3           128-03_2         72,60%         48%         76,3	12502_2	63,70%	48%	72,3
12601_1       70,60%       47%       78,1         12601_2       68,50%       48%       78,1         12602_1       68,50%       47%       60,9         12602_2       66,00%       47%       60,9         126-03_1       70,90%       49%       70,4         126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1	125-03_1	71,70%	49%	77,1
12601_2       68,50%       48%       78,1         12602_1       68,50%       47%       60,9         12602_2       66,00%       47%       60,9         126-03_1       70,90%       49%       70,4         126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         131-01_1       73,50%       48%       60,3         131-01_2       70,40%       49%       77,2         131-03_1	125-03_2	70,40%	49%	77,1
12602_1       68,50%       47%       60,9         12602_2       66,00%       47%       60,9         126-03_1       70,90%       49%       70,4         126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_1       72,20%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_1       64,80%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1 <t< th=""><th>12601_1</th><th>70,60%</th><th>47%</th><th>78,1</th></t<>	12601_1	70,60%	47%	78,1
12602_2       66,00%       47%       60,9         126-03_1       70,90%       49%       70,4         126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         128-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_1       64,80%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1	12601_2	68,50%	48%	78,1
126-03_1       70,90%       49%       70,4         126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_1       72,20%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       48%       78,8         13202_2 <td< th=""><th>12602_1</th><th>68,50%</th><th>47%</th><th>60,9</th></td<>	12602_1	68,50%	47%	60,9
126-03_2       68,60%       49%       70,4         12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_1       64,80%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       47%       80,5         13203_1       <	12602_2	66,00%	47%	60,9
12701_1       61,20%       48%       76,6         12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_1       64,80%       48%       60,3         13101_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_2       61,30%       48%       80,5         132-03_2	126-03_1	70,90%	49%	70,4
12701_2       59,50%       48%       76,6         12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_1       64,80%       48%       60,3         13101_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2	126-03_2	68,60%	49%	70,4
12702_1       64,00%       48%       69,1         12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       47%       80,5         13203_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	12701_1	61,20%	48%	76,6
12702_2       60,10%       48%       69,1         127-03_1       75,20%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	12701_2	59,50%	48%	76,6
127-03_1       75,20%       48%       76,8         127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	12702_1	64,00%	48%	69,1
127-03_2       73,00%       48%       76,8         12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         13301_1       64,20%       48%       75,8	12702_2	60,10%	48%	69,1
12801_1       65,40%       47%       75,3         12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         13301_1       64,20%       48%       75,8	127-03_1	75,20%	48%	76,8
12801_2       64,00%       47%       75,3         128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13203_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	127-03_2	73,00%	48%	76,8
128-02_1       72,20%       49%       76,5         128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         13301_1       64,20%       48%       75,8	12801_1	65,40%	47%	75,3
128-02_2       69,60%       49%       76,5         128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         13301_1       64,20%       48%       75,8	12801_2	64,00%	47%	75,3
128-03_1       73,60%       48%       76,3         128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	128-02_1	72,20%	49%	76,5
128-03_2       72,60%       48%       76,3         13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	128-02_2	69,60%	49%	76,5
13102_1       64,80%       48%       60,3         13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       74,4         131-03_1       76,70%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	128-03_1	73,60%	48%	76,3
13102_2       61,40%       48%       60,3         131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	128-03_2	72,60%	48%	76,3
131-01_1       73,50%       49%       77,2         131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13102_1	64,80%	48%	60,3
131-01_2       70,40%       49%       77,2         131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13102_2	61,40%	48%	60,3
131-03_1       76,70%       49%       74,4         131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	131-01_1	73,50%	49%	77,2
131-03_2       74,00%       49%       74,4         13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	131-01_2	70,40%	49%	77,2
13201_1       67,50%       48%       78,8         13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	131-03_1	76,70%	49%	74,4
13201_2       65,90%       48%       78,8         13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	131-03_2	74,00%	49%	74,4
13202_1       57,30%       47%       80,5         13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13201_1	67,50%	48%	78,8
13202_2       61,30%       48%       80,5         132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13201_2	65,90%	48%	78,8
132-03_1       74,50%       49%       76,5         132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13202_1	57,30%	47%	80,5
132-03_2       70,70%       49%       76,5         13301_1       64,20%       48%       75,8	13202_2	61,30%	48%	80,5
<b>13301_1</b> 64,20% 48% 75,8	132-03_1	74,50%	49%	76,5
	132-03_2	70,70%	49%	76,5
<b>13301_2</b> 62,30% 48% 75,8	13301_1	64,20%	48%	75,8
	13301_2	62,30%	48%	75,8

133-02_1	74,90%	49%	76,7
133-02_2	72,30%	49%	76,7
133-03_1	53,40%	48%	76,1
133-03_2	77,70%	48%	76,1

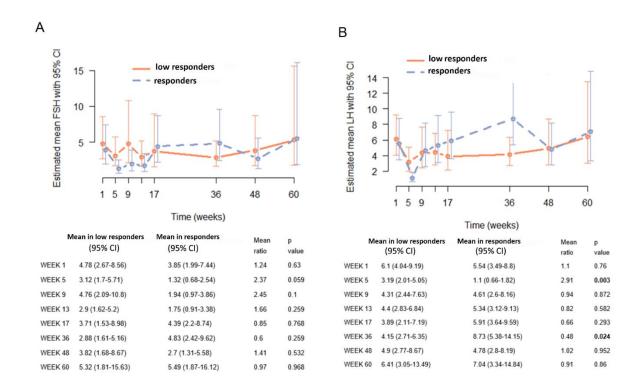
# **SUPPLEMENTARY S7**

Part	BRCA	Age	Contraceptive group	Remarks (name of medication, if Y)
101	BRCA1	25	Α	None
102	BRCA1	23	С	None
103	BRCA1	21	Α	Pain killer for headache at week 48
104	BRCA2	24	А	None
105	BRCA2	19	А	Pain killer for headache after week 5. Several medications at week 13 (Pantomed, Aerius, Imodium). Antibiotics at week 48
106	BRCA1	25	52 mg LNG over 5 y	Sinutaben pain killer for headache at week 13
107	BRCA2	26	A	Movicol for obstipation
108	BRCA2	18	Α	Pain killer for menstrual pain
109	BRCA1	24	Α	None
110	BRCA2	22	Α	Gyno-Daktarin for Candida
				Pain killer for abdominal pain at week 5. Pain killer for
111	BRCA1	25	С	intermittent headache
112	BRCA1	21	Α	Pain killer for intermittent headache
113	BRCA1	24	52 mg LNG over 5 y	None
114	BRCA1	24	Α	Pain killer for abdominal pain at week 5.
115	BRCA1	22	13.5 mg LNG over 3 y	Sipralexa for depression at week 9
116	BRCA2	20	С	Anti-histaminica, pain killer for intermittent headache
117	BRCA2	22	С	Anti-histamine for household dust allergy
118	BRCA1	19	13.5 mg LNG over 3 y	None
119	BRCA1	24	С	Diclofenac for abdominal pain
120	BRCA1	20	С	Medication for diarrhea at week 9. Hepatitis A vaccine at week 17 + medication in preparation for a holiday to Costa Rica. Morning-after pill in September 2017. Pain killer for abdominal pain at week 36
121	BRCA1	26		None
122	BRCA1	26	С	Pain killer for headache and sore throat at week 5. Sostilar after week 48
123	BRCA1	24	С	Pain killer for intermittent headache
124	BRCA2	24	Α	None
125	BRCA2	19	EE 0.04 mg + DSG 0.025 mg	Cortisone + antibiotics for boop lungs after week 17. Subject restarted with oral contraceptive on June 14, 2018 (after second biopsy, before third biopsy)
126	BRCA1	20	17βE2 1.5 mg + Nomac 2.5 mg	Pain killer for breast hematoma after week 1. Medication for intermittent migraine and intermittent abdominal pain after week 1. Medication for cold and nausea after week 5. Antihistamine for allergy for dogs and cats
127	BRCA2	23	С	Medication for asthma and allergy for cats and dogs. Medication for abdominal pain, headache and cold after week 1. Medication for viral infection in August, September and October 2018.  Vaccination for tetanus, hepatitis A and flu in September and October 2018

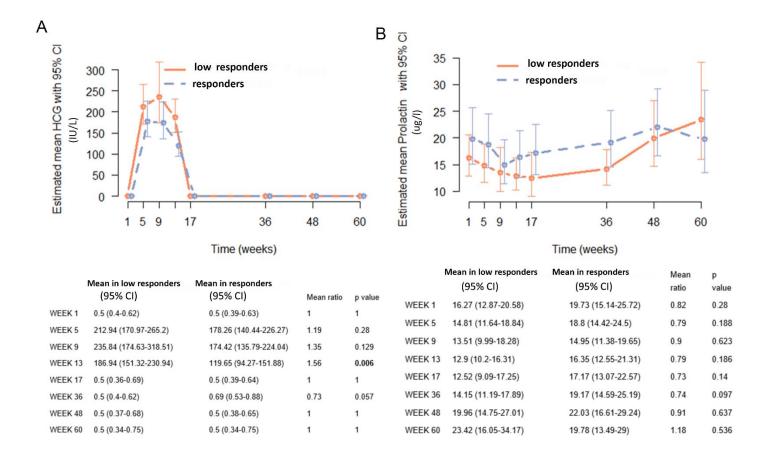
128	BRCA1	22	19.5 mg LNG over 5 y	Pain killer for abdominal pain and medication for bladder infection after week 1
129	BRCA1	25	А	Pain killer for intermittent headache after week 13
130	BRCA1	22	19.5 mg LNG over 5 y	NA
131	BRCA1	18	19.5 mg LNG over 5 y	Ventolin for exercise asthma
				Pain killer for migraine after week 1. NSAID for muscular
				inflammation in shoulder after week 17. Temesta for depressive
132	BRCA2	26	С	thoughts since week 17
			etonogestrel 68 mg	
133	BRCA2	21	over 3 y	Pain killer for headache after week 13

Supplementary S7. A summary of all medications used during the trial.

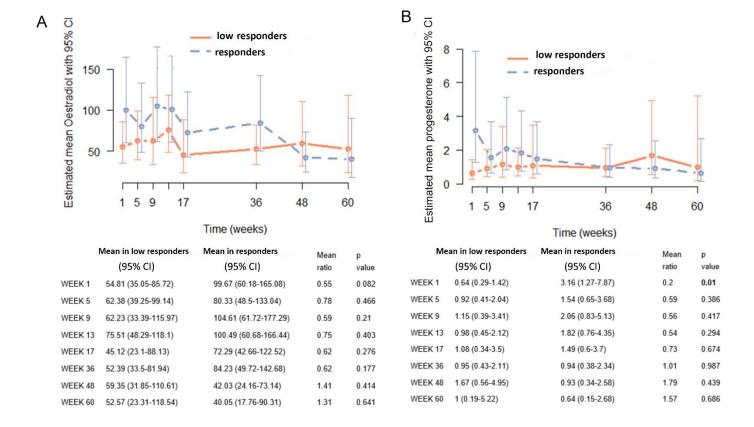
## **SUPPLEMENTARY S8: FIGURES**



Supplementary S8-1. Mean FSH and LH with 95% confidence intervals according to visit and response. Mean FSH level at weeks 5, 9, and 13 in low responders is 3.26 (2.15-4.95) and is significantly (p= 0.028) higher the mean value 1.64 (1.05-2.56) of the responders at week 5, 9, 13. Mean LH level at weeks 5, 9, and 13 of the low responders was not different from the responders (p=0.204).



Supplementary 8-2. Mean estradiol and progesterone with 95% confidence interval according to visit and response.



Supplementary 8-3. Mean hCG with 95% confidence intervals according to visit and response.