SUPPLEMENTARY MATERIAL

Impact of *In Vitro* Long-Term Low-Level DEHP Exposure on Gene Expression Profile in Human Granulosa Cells

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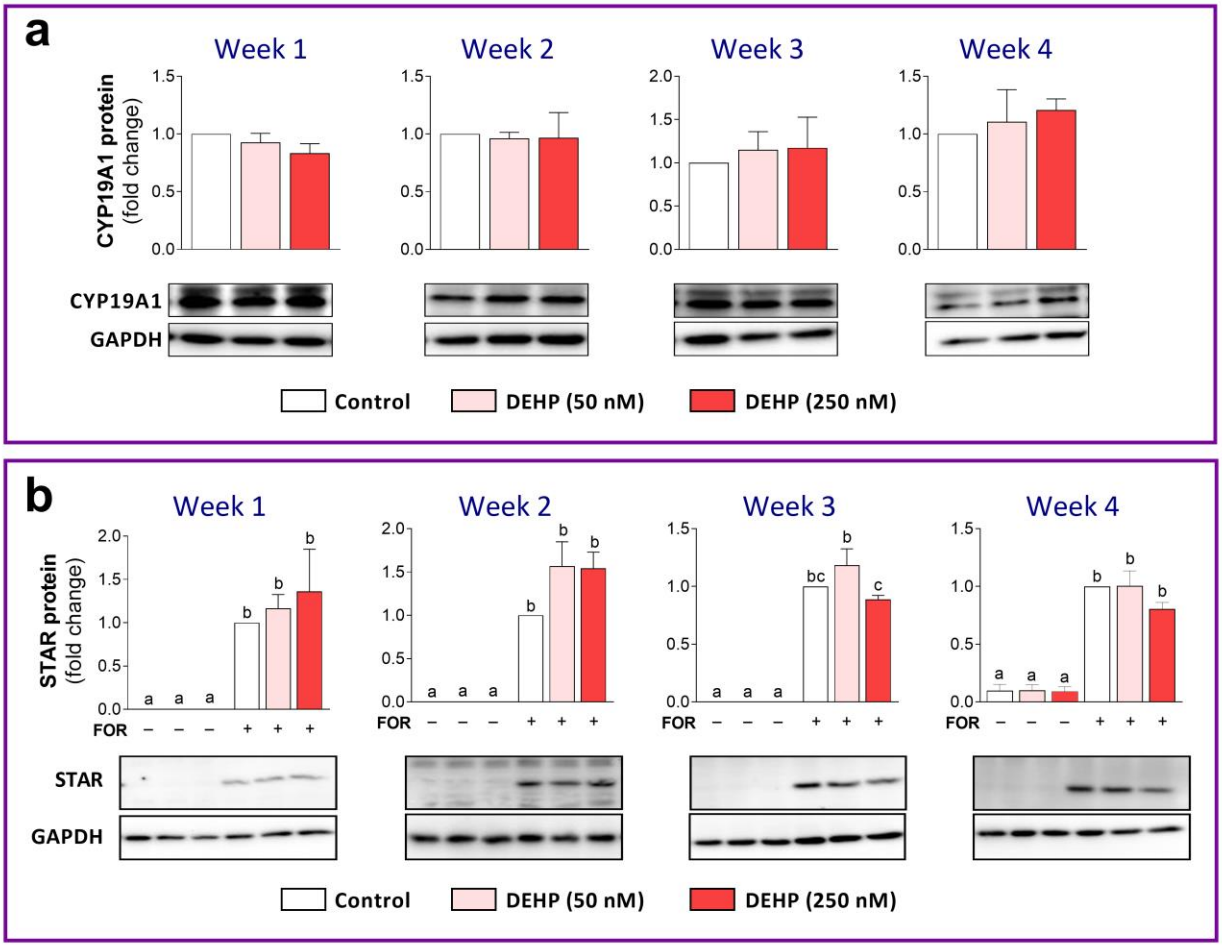

Figure S1. CYP19A1 and STAR protein expression HGrC1 cells after the long-term repeated exposure to DEHP. Western blot analysis was used to analyze (a) CYP19A1 and (b) STAR protein expression after 1, 2, 3, and 4 weeks of the repeated exposure to DEHP50 and DEHP250 under the (a) basal and (b) FOR-stimulated conditions. Representative Western blot images are shown. Results are expressed relative to the vehicle-treated control that was set as 1 in each week. Each data point represents the mean ± SEM of 2-3 independent experiments. Different superscript letters indicate statistically significant differences among treatment groups ($p < 0.05$).

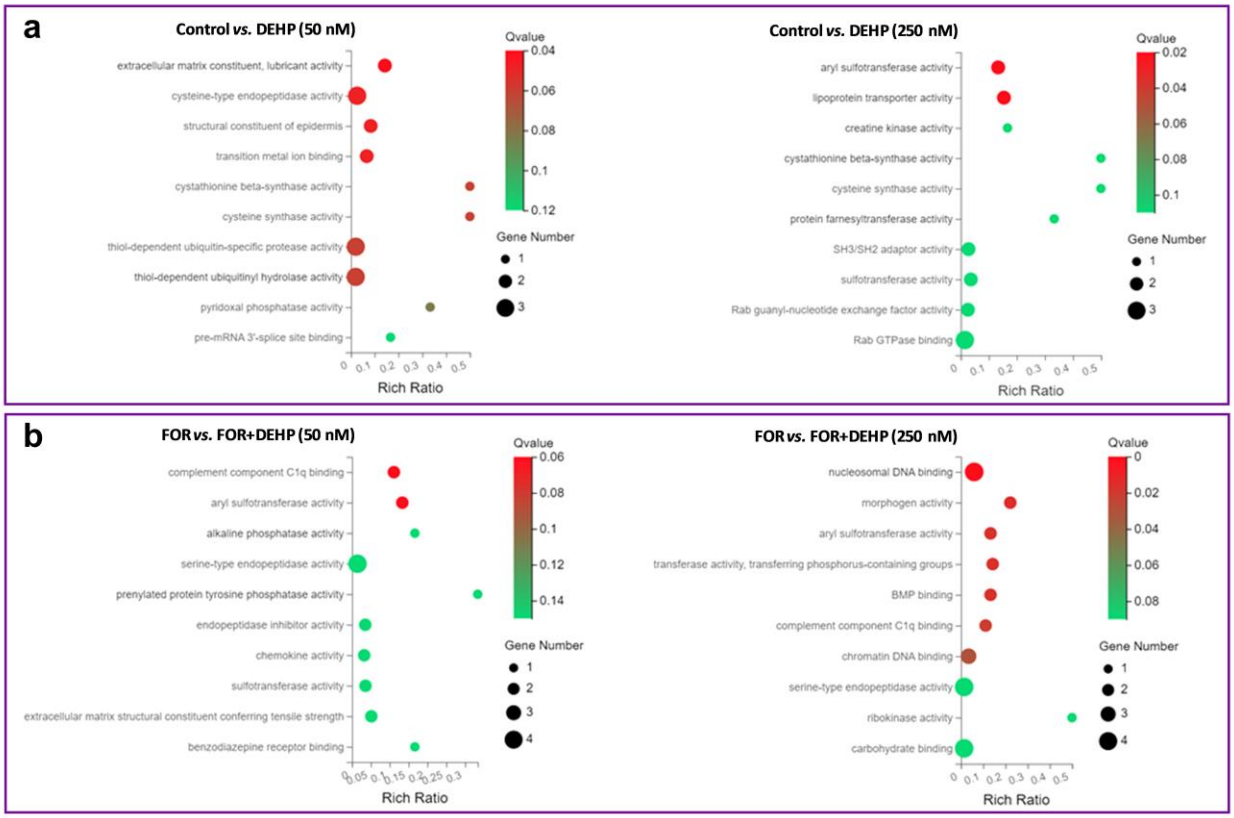

Figure S2. Ten top-ranked molecular functions deregulated in HGrC1 cells after the long-term repeated exposure to DEHP. Summary of deregulated molecular functions during all 4 weeks of exposure to DEHP50 and DEHP250 under the a) basal and b) FOR-stimulated conditions. A greater rich factor represents a greater degree of enrichment. A Q value represents corrected *p* value. Q value ≤ 0.05 is regarded as a significant enrichment.