



Supplemental Figure S8: Transcriptional response of P19 and F9 cells to RA and RAR subtype-specific agonists. Displayed is the number of genes with RA-dependent dynamically regulated mRNA levels (relative to untreated cells) compared with those observed in presence of one of the RAR subtype-specific agonists (BMS753, BMS641, BMS961). Note that in P19 cells most of the genes differentially expressed upon RA exposure are also induced with the RARA-specific BMS753, while only a few of them respond to BMS641 or BMS961. In contrast in F9 cells, the RARG-specific BMS961 presents the most similar gene expression response to that observed with RA. Thresholds are for up-regulated genes ≥ 1.8 -fold and for down-regulated genes ≤ 0.5 fold relative to the 0h control.