Supplementary Figure 1. Experimental setup for the Mouse (Mm), Rat (Rn) and Quail (Cj) study. For each study the LC-MS analysis order is illustrated. A pool (Pool) of all samples (Mouse dataset), ten samples (Rat dataset, SDSN: 4 and 6, WSN: 1, 3 and 6, WMN: 1 and 3 and SDMN: 4, 5 and 6) or a single sample (Quail dataset, sample 1a-f) was measured repeatedly in the beginning or at the end of each block. Small letters indicates that one specific sample has been measured repeatedly. Mouse dataset "OH6": 6-Hydroxydopamine treatment, "LS": L-DOPA treatment, "C": controls, "L6OH": L-DOPA and 6-Hydroxydopamine treatment (19). Rat dataset: "SDSN": Sprague-Dawley control, "WSN": Wistar control, "WMN": Wistar with morphine withdrawal and "SDMN": Sprague-Dawley with morphine withdrawal (20). Quail dataset: "ed12": embryonic day 12, "ed17": embryonic day 17, "MC": male control, "FC": female control, "ME": male subjected to ethinylestradiol exposure, "FE": female subjected to ethinylestradiol exposure (21).

