



Supplementary Fig. Timeline and experiment design for behavior and biochemical tests. A. Mice were handled daily one week before the start of intranasal treatments to reduce stress associated with the procedure. 2 days before DSS-induced colitis, mice were received an intranasal saline, OT or OT with atosiban. At 7th day, half of each group were submitted to perform behavior test (water avoidance stress). The other half were sacrificed to perform biochemical test. B. Splenectomy was preformed 15 days before DSS-induced colitis.