

## SUPPLEMENTARY MATERIAL

Figure S1. STROBE flow diagram of included patients.

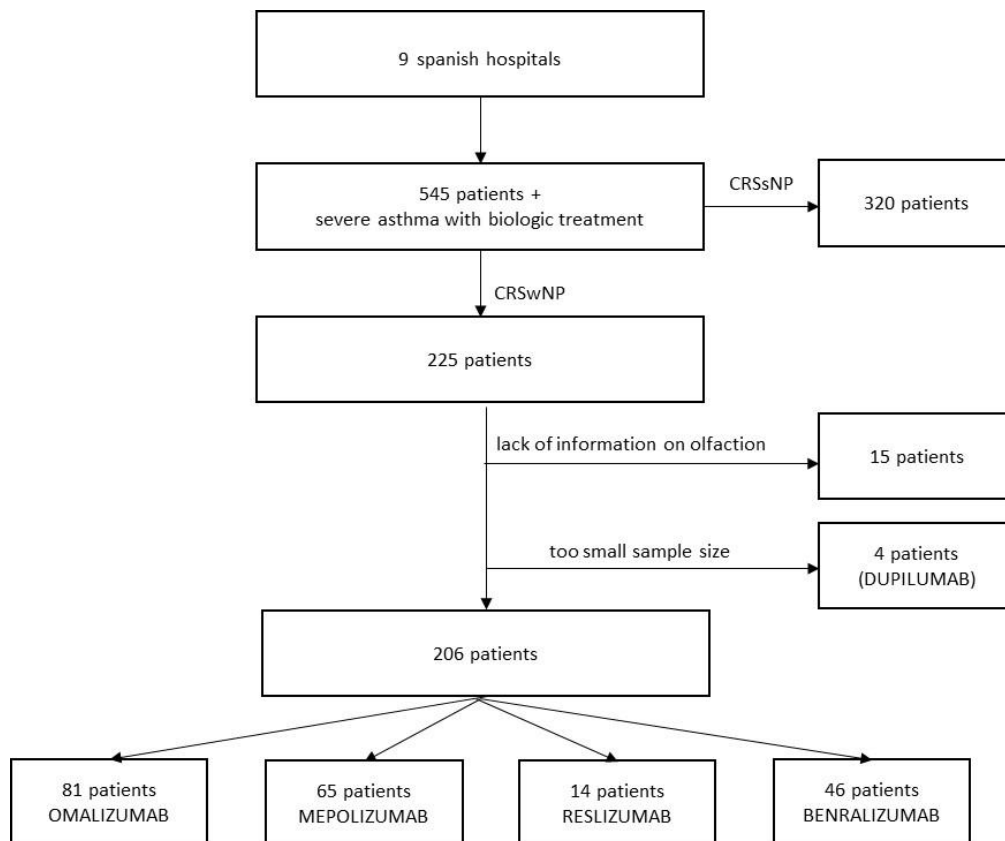
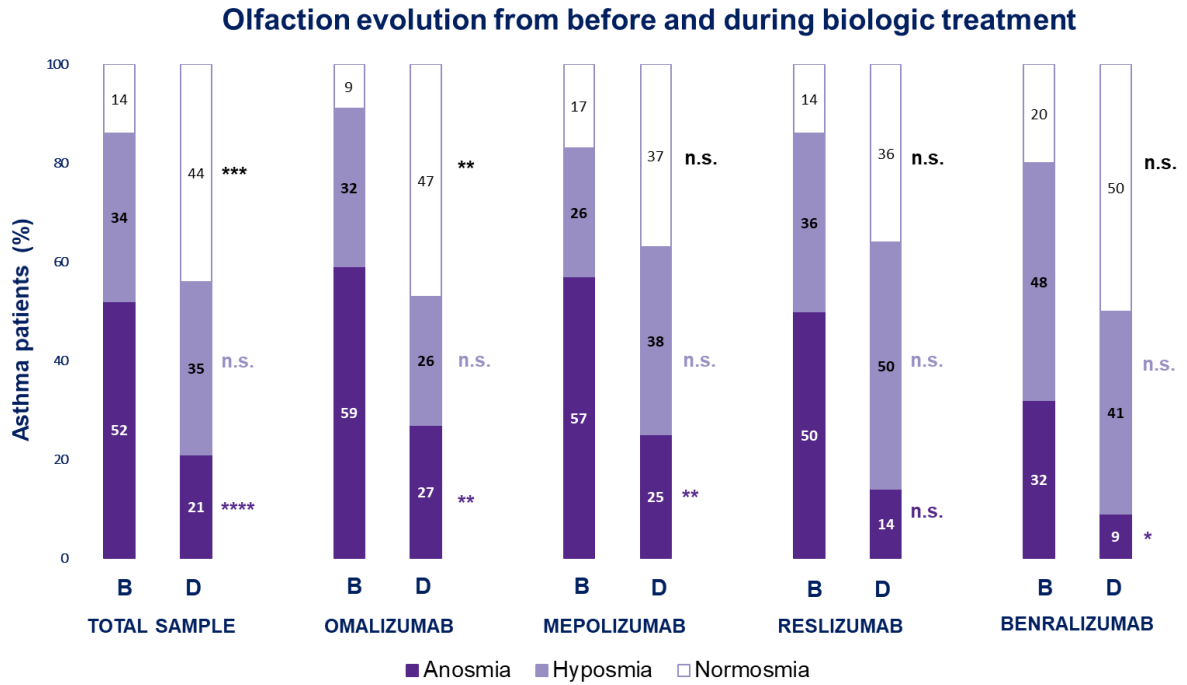


Figure S2. Comparative levels of olfactory dysfunction (anosmia, hyposmia, and normosmia) before and during biologic treatment.



B = before treatment; D =during treatment; n.s.=not statistically significant; \* $P < 0.05$ ;

\*\* $P < 0.01$ ; \*\*\* $P < 0.001$ ; \*\*\*\* $P < 0.0001$ .