

Supplementary Material

1 SUPPLEMENTARY FIGURES

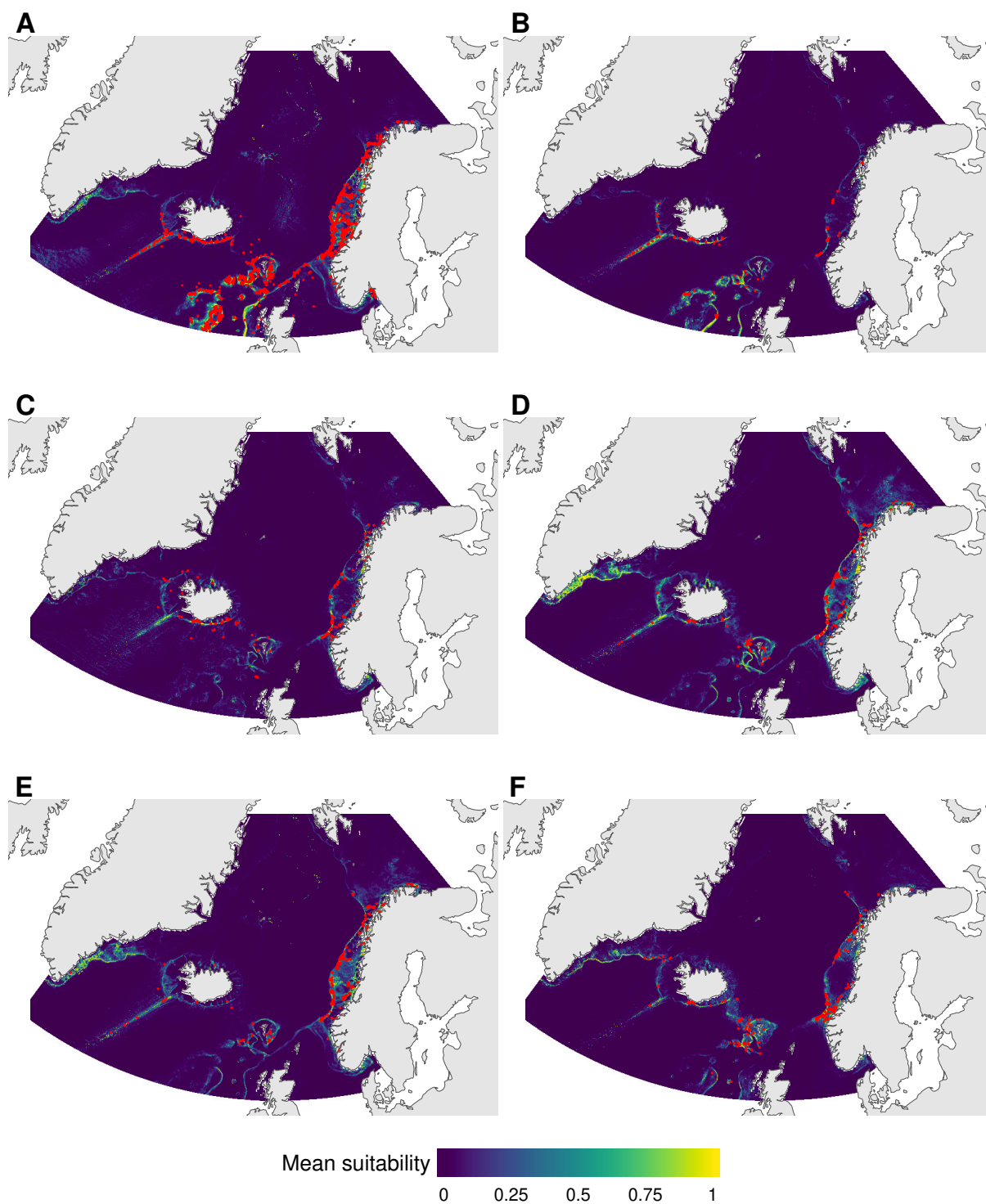


Figure S1. Predicted distribution of VME indicator taxa assigned to group 1: (A) *Lophelia pertusa*, (B) *Madrepora oculata*, (C) *Paramuricea* sp., (D) *Primnoa resedagormis*, (E) *Paragorgia arborea*, (F) Stylasteridae. Red dots indicate locations of records.

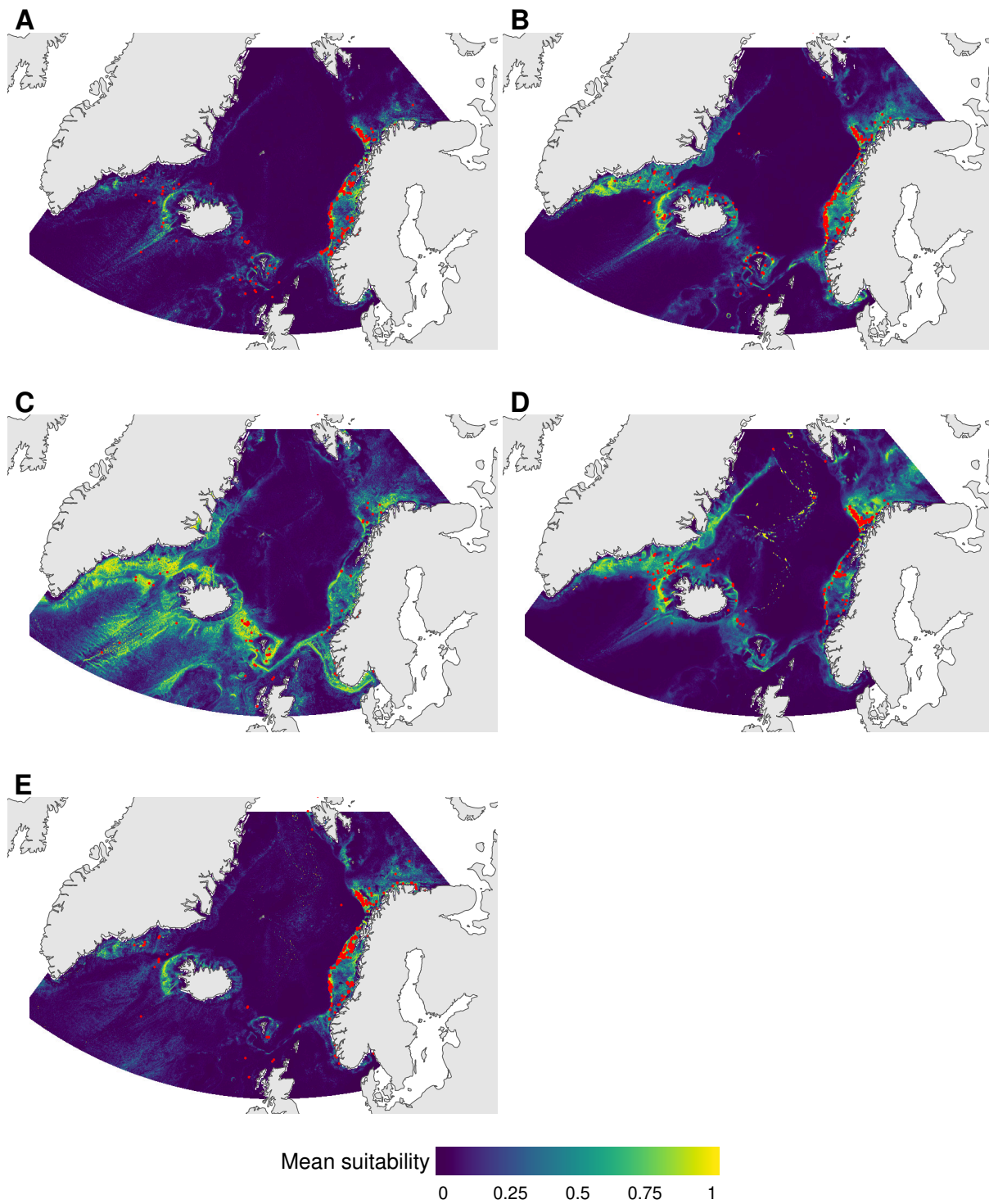


Figure S2. Predicted distribution of VME indicator taxa assigned to group 2: (A) *Geodia atlantica*, (B) *G. macandrewi*, (C) *G. phlegraei*, (D) *Stelletta* sp., (E) *Stryphnus* sp. Red dots indicate locations of records.

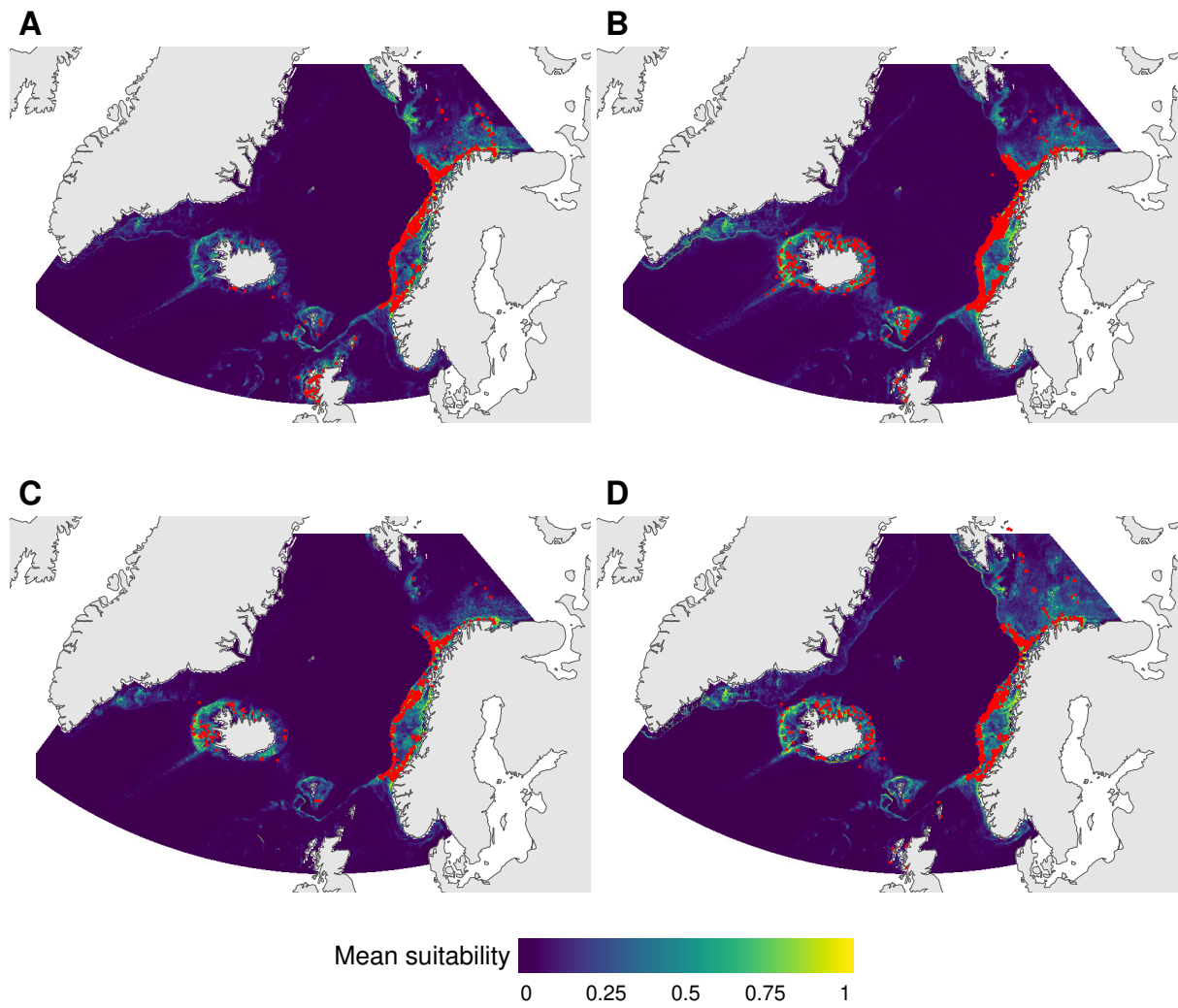


Figure S3. Predicted distribution of VME indicator taxa assigned to group 3A: (A) *Axinella* sp., (B) *Phakelia* sp., (C) *Antho* (A.) *dichotoma*, (D) *Mycale* (*Mycale*) *lingua*. Red dots indicate locations of records.

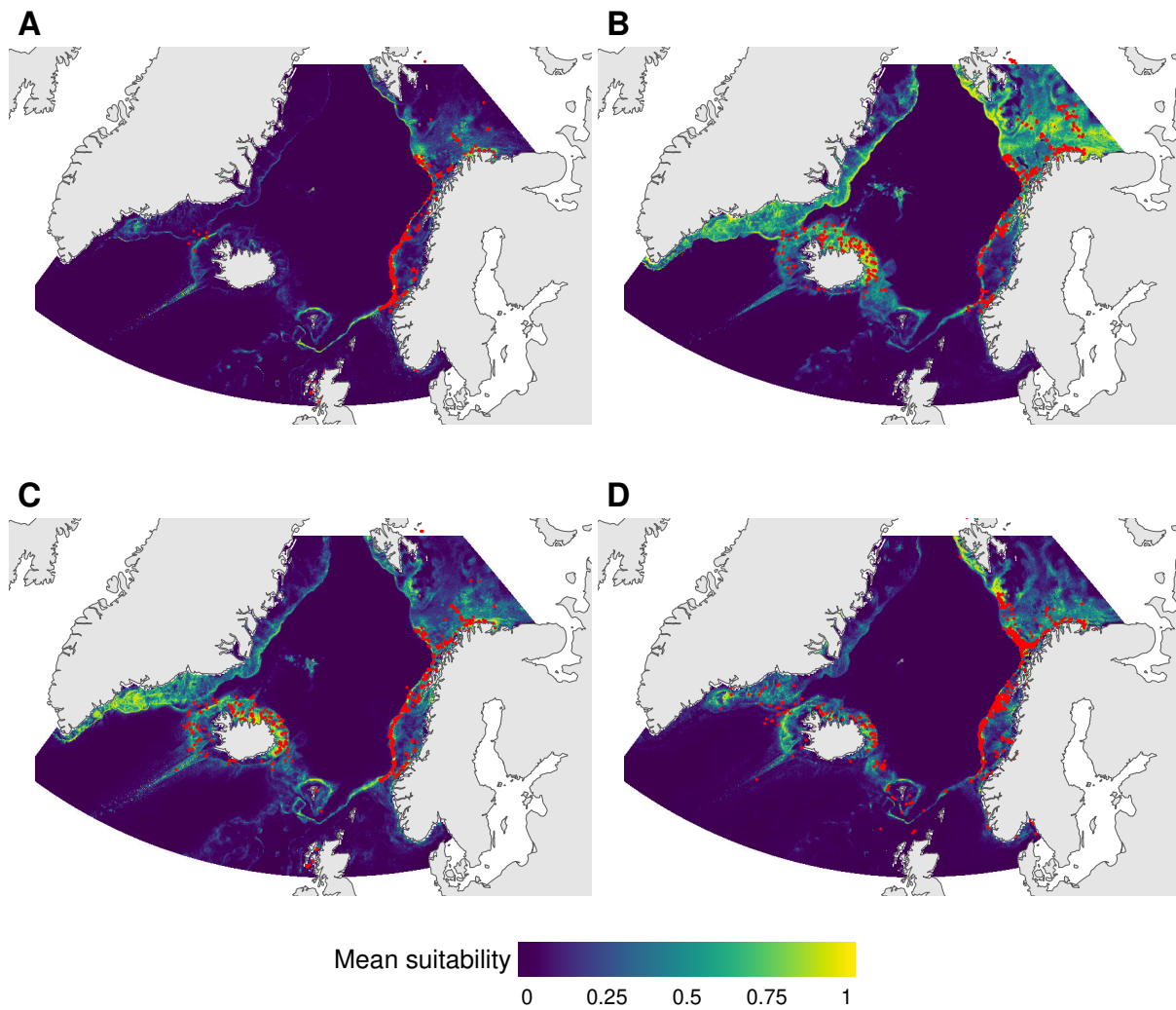


Figure S4. Predicted distribution of VME indicator taxa assigned to group 3B: (A) *Thetya* sp., (B) *Polymasta* sp., (C) Tetillidae, (D) *Geodia barretti*. Red dots indicate locations of records.

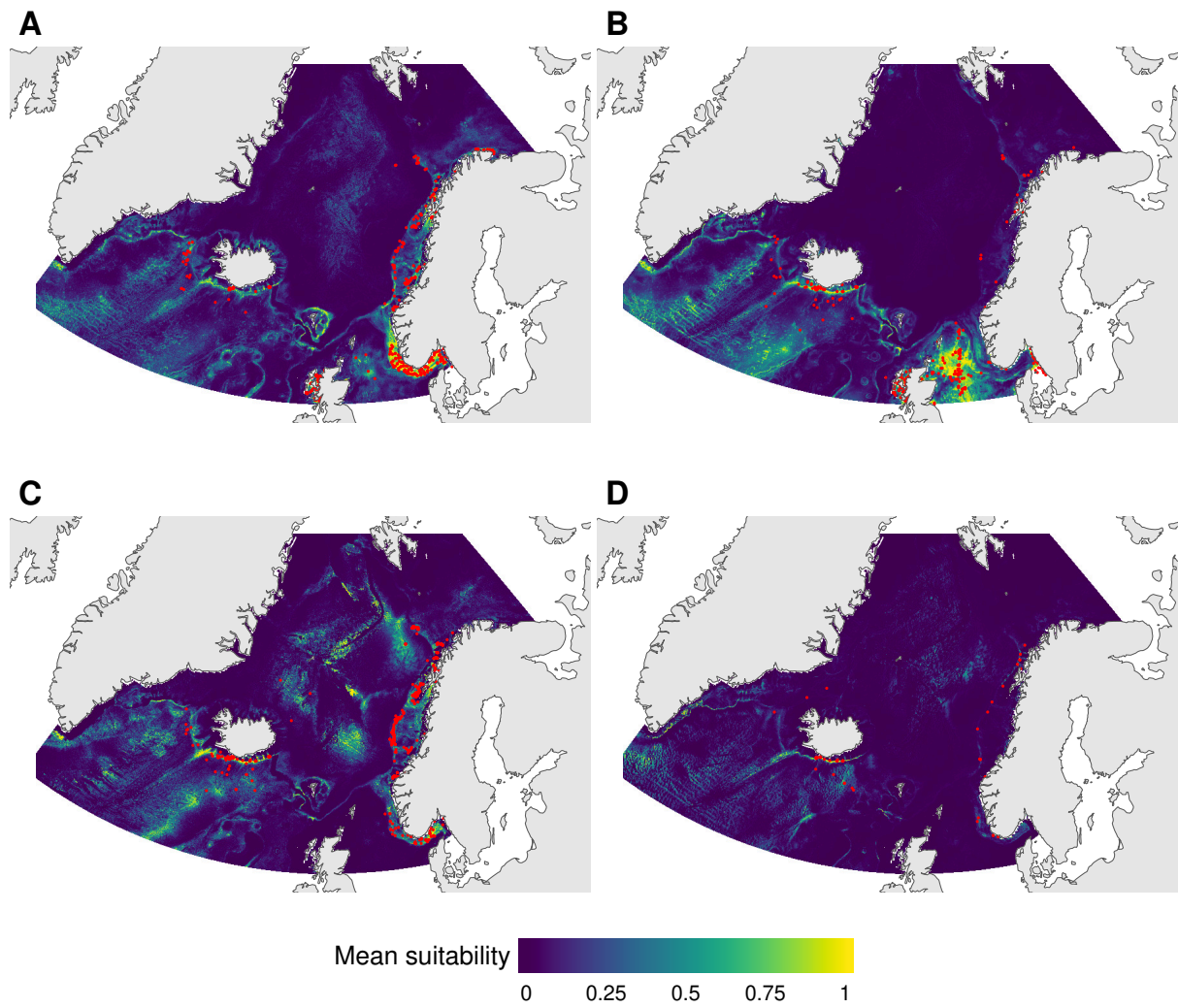


Figure S5. Predicted distribution of VME indicator taxa assigned to group 4: (A) *Funiculina* sp., (B) *Pennatula* sp., (C) *Kophobelemnon* sp., (D) *Halipteris* sp. Red dots indicate locations of records.

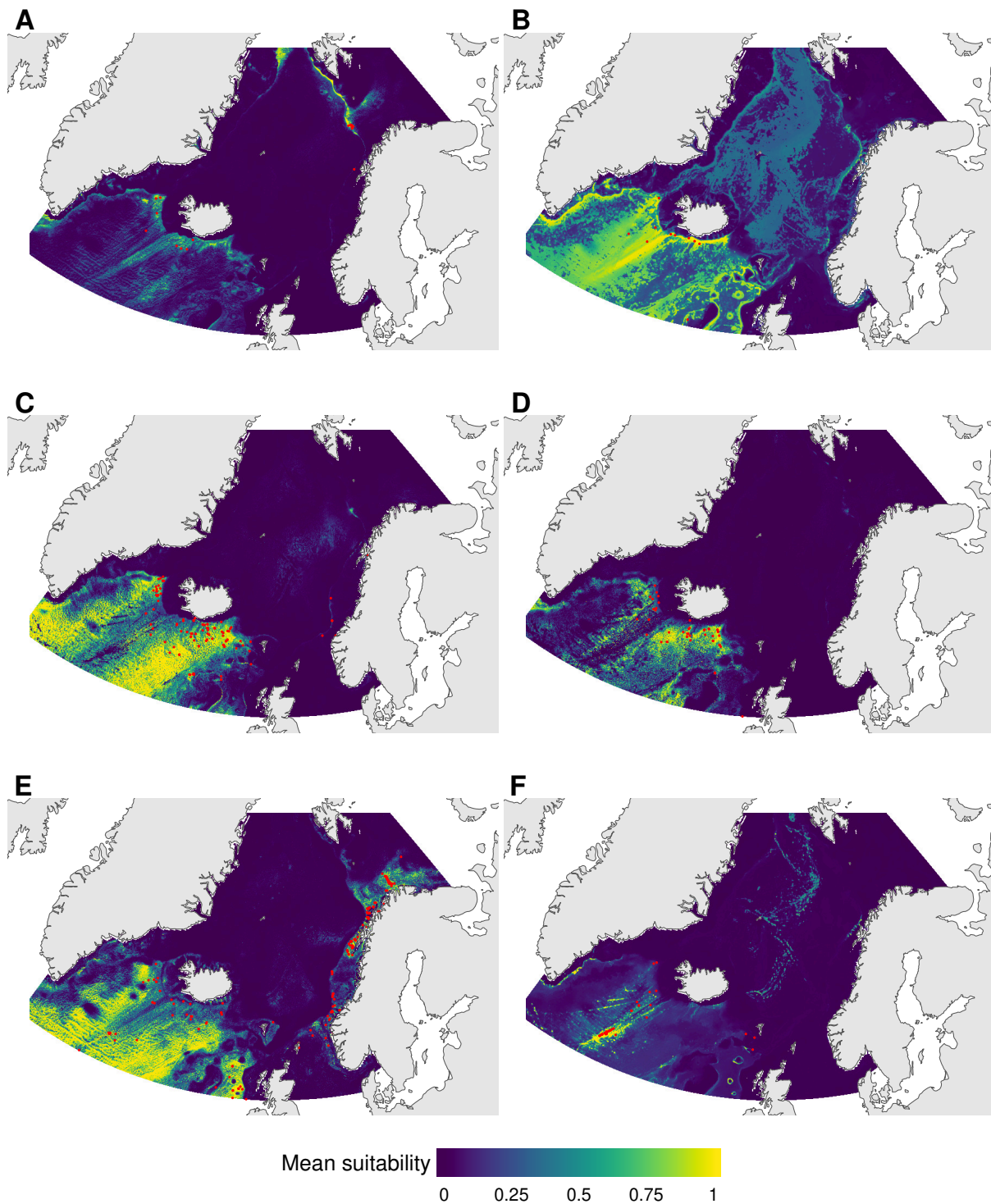


Figure S6. Predicted distribution of VME indicator taxa assigned to group 5: (A) *Radicipes* sp., (B) *Anthotella grandiflora*, (C) *Anthomastus* sp., (D) *Anthoptylum* sp., (E) *Flabellum* sp., (F) *Solenosmilia variabilis*. Red dots indicate locations of records.

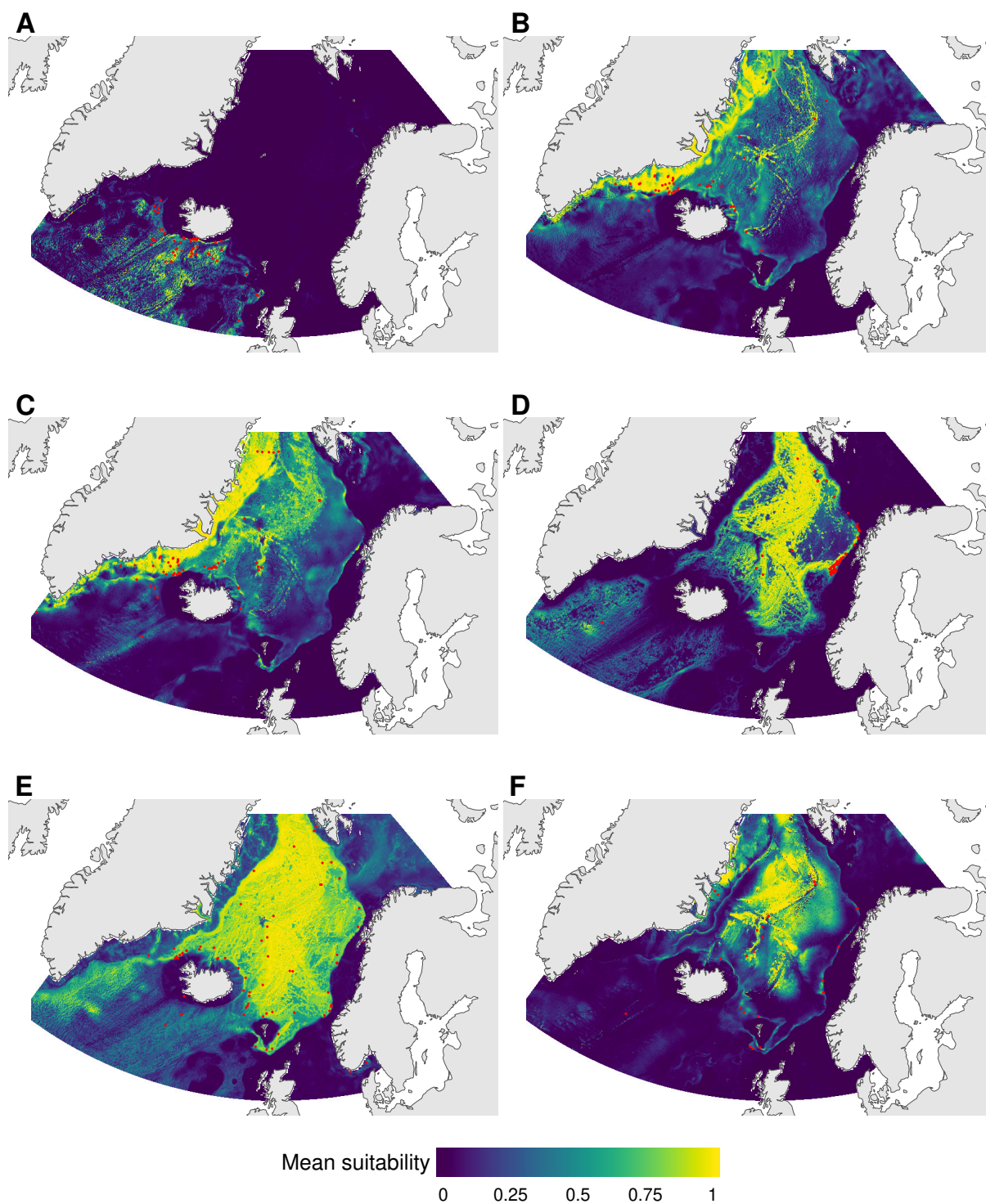


Figure S7. Predicted distribution of VME indicator taxa assigned to groups 5, 6A and 6B: (A) *Acanella arbuscula*, (B) *Geodia parva*, (C) *G. hentschelli*, (D) *Caulophacus (Caulophacus) arcticus*, (E) *Cladorrhiza* sp., (F) *Lycopodina* sp. Red dots indicate locations of records.

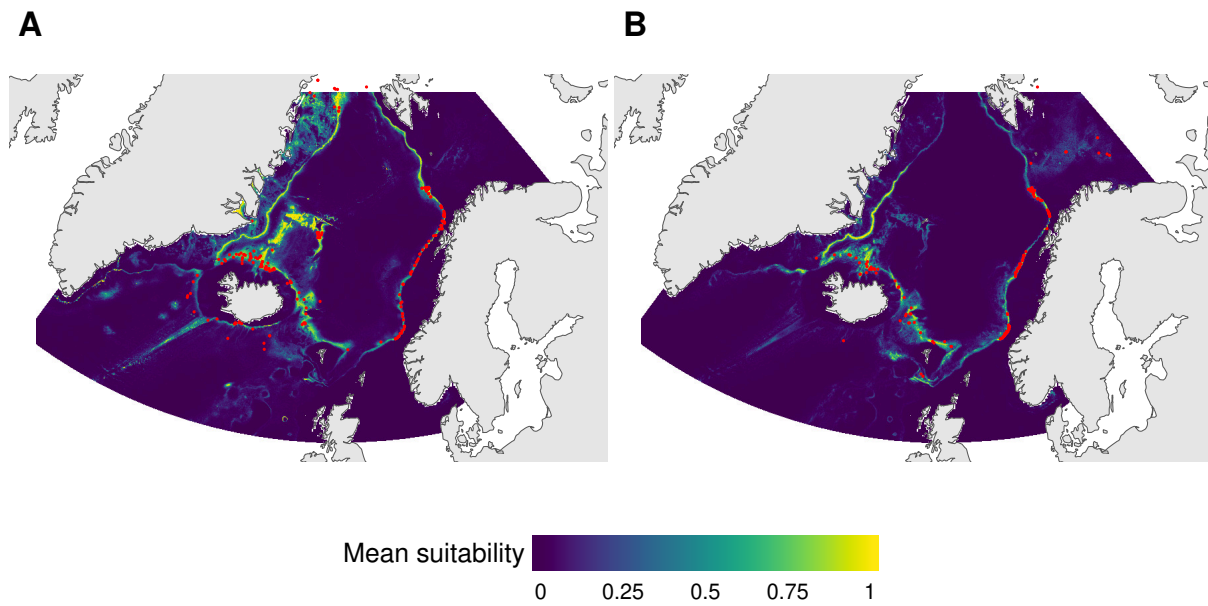


Figure S8. Predicted distribution of VME indicator taxa assigned to group 7A: (A) *Umbellula* sp., (B) *Chondrocladia* (*Chondrocladia*) *grandis*. Red dots indicate locations of records.

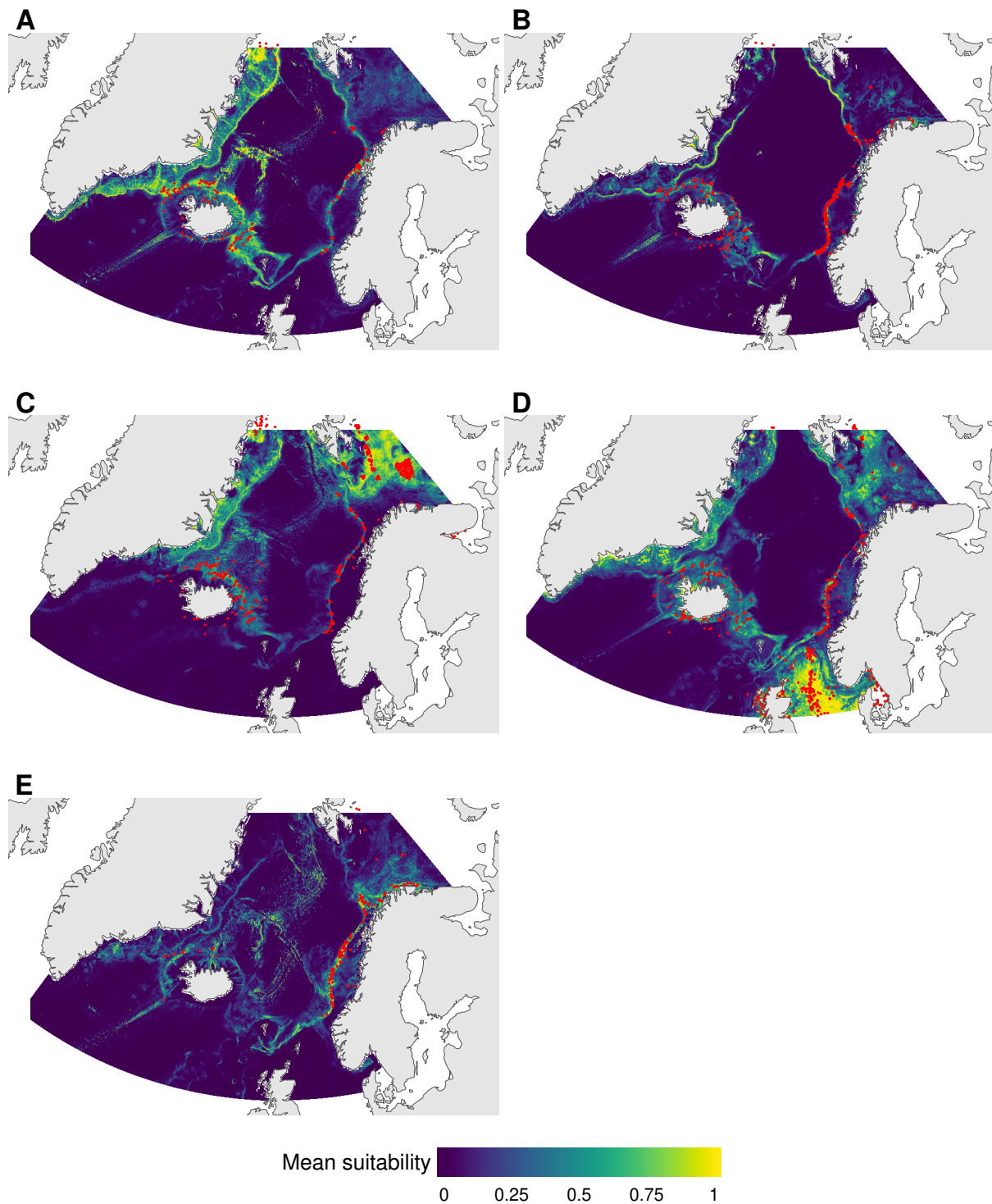


Figure S9. Predicted distribution of VME indicator taxa assigned to group 7B: (A) *Drifa glomerata*, (B) *Duva florida*, (C) *Gersemia* sp., (D) *Virgularia* sp., (E) *Asconema* sp. Red dots indicate locations of records.

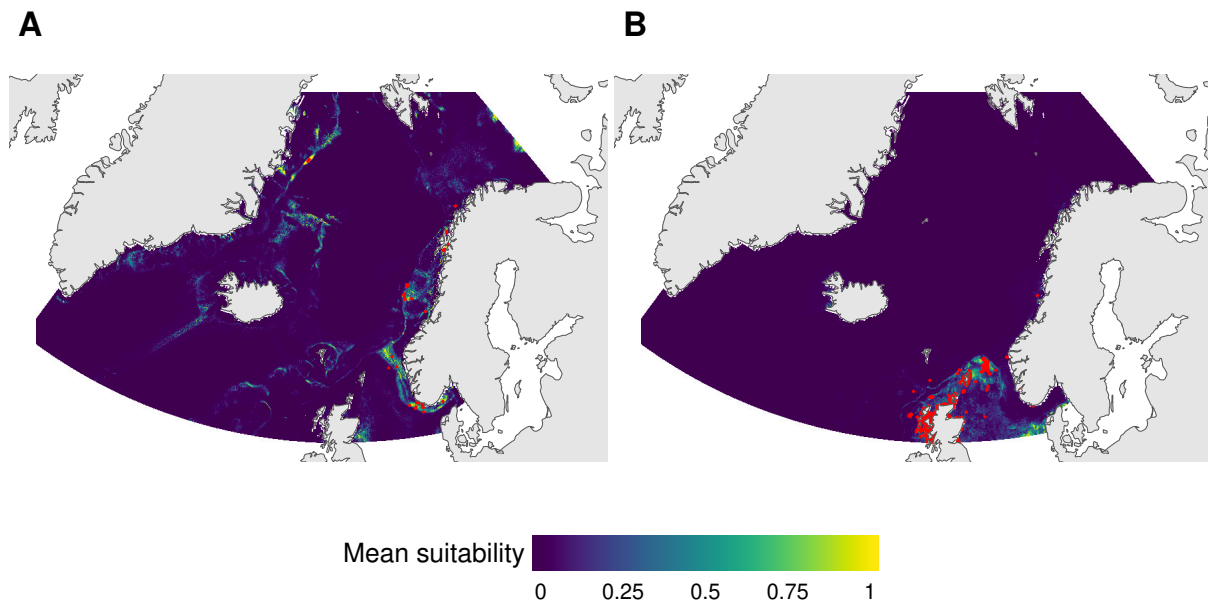


Figure S10. Predicted distribution of VME indicator taxa: (A) *Isidella lofotensis*, (B) *Caryophylla (Caryophylla) smithii*. Red dots indicate locations of records.