

Oda and Takeichi, <http://www.jcb.org/cgi/content/full/jcb.201008173/DC1>

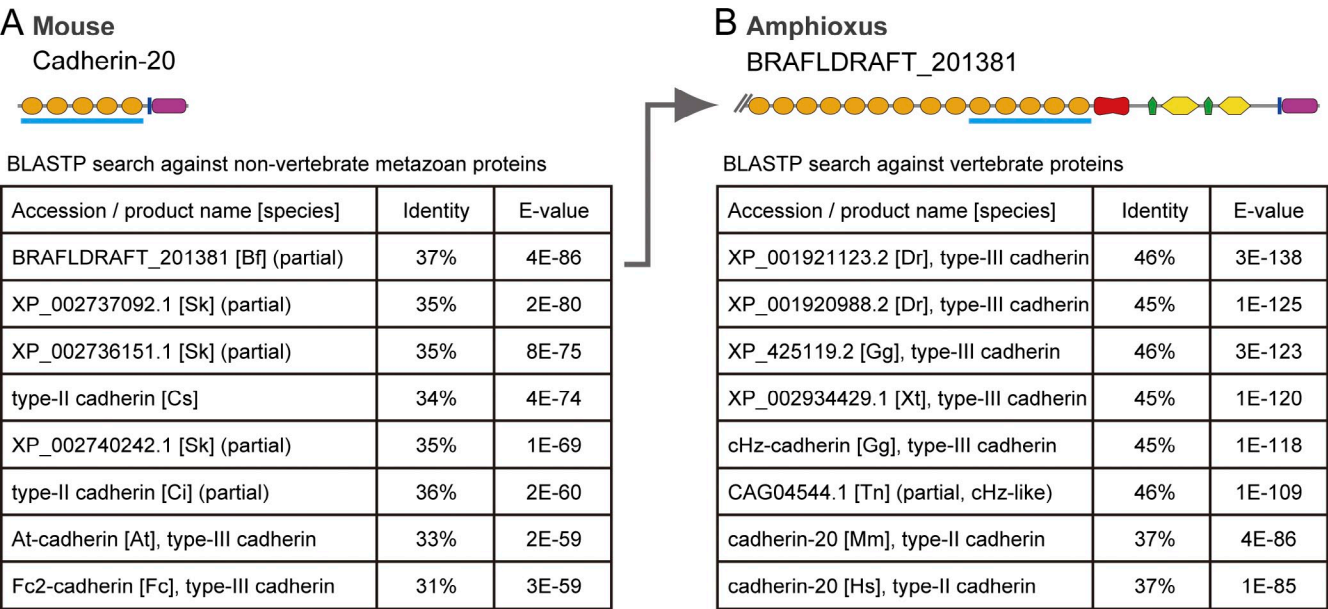


Figure S1. **Reciprocal BLAST searches reveal close relationships between the five ECs of type-II cadherin and the last five ECs of type-III cadherin.** (A) BLAST search using a protein sequence from the five ECs of *Mus musculus* (Mm) cadherin-20 against nonvertebrate metazoan proteins. All three hemichordate *Saccoglossus kowalevskii* (Sk) proteins are typical nonchordate classical cadherins. (B) BLAST search using a protein sequence from the last five ECs of the putative *Branchiostoma floridae* (Bf) type-III cadherin (BRFLDRAFT_201381) against vertebrate proteins. BLAST searches were performed using a BLOSUM62 matrix, and the following protein databases were used: nonredundant GenBank CDS translations, RefSeq Proteins, PDB, SwissProt, PIR, and PRF. The results shown were obtained on August 24, 2010. Cs, *Ciona savignyi* (urochordate); Ci, *Ciona intestinalis* (urochordate); At, *Achaearanea tepidariorum* (arthropod); Fc, *Folsomia candida* (arthropod); Dr, *Danio rerio*; Gg, *Gallus gallus*; Xt, *Xenopus tropicalis*; Tn, *Tetraodon nigroviridis*; Hs, *Homo sapiens*.