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(54) Title: RECOMBINANT PROTEINS, RECOMBINANT DNA SEQUENCES, VECTORS, EUKARYOTIC AND PROKARYOTIC EXPRESSION SYSTEMS AND THEIR USE

(57) Abstract: The invention relates to recombinant RE15mR and EJ17zipR hybrid proteins with the structure specified in the description, recombinant DNA sequences encoding recombinant hybrid proteins, vectors containing recombinant DNA sequences, as well as eukaryotic or prokaryotic expression systems transformed with recombinant DNA sequences. The invention also concerns the use of recombinant hybrid proteins as components of bioink intended for bioprinting, and also as components of biomaterials. Furthermore, the invention relates to the use of recombinant DNA sequences, vectors and eukaryotic or prokaryotic expression systems for the production of recombinant hybrid proteins.