FUNCTIONALIZED UBX PROTEIN MATERIALS FOR ENHANCED PURIFICATION OF ANTIBODIES

ABSTRACT

Provided herein are methods and compositions for purifying antibodies. Purification is achieved by increasing the binding capacity of protein A chromatography by covalent attachment of a protein A domain (E, D, A, B, C), or domain Z, or a functional variant thereof, to *Drosophila melanogaster* transcription factor Ultrabithorax (Ubx) materials. The compositions include fusion proteins containing *Drosophila melanogaster* transcription factor Ultrabithorax (Ubx) or a fragment thereof and an immunoglobulin binding protein. In some embodiments, the immunoglobulin binding protein is a protein A domain, a protein Z domain or a fragment thereof.

[No suitable figure]