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(54) Title: COMPOSITIONS AND METHODS FOR ANALYTE DETECTION USING BIOLUMINESCENCE

(57) Abstract: Provided herein are systems and methods for the detection of an analyte or analytes in a sample. In particular, the present disclosure provides compositions, assays, and methods for detecting and/or quantifying a target analyte using a bioluminescent complex comprising substrates, peptides, and/or polypeptides capable of generating a bioluminescent signal that correlates to the presence, absence, or amount of the target analyte.



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