



Diagram illustrating the regulation of gene expression by various proteins. The diagram shows a DNA strand with several regulatory sites: WATSON CRICK JUNCTION, SINGLE STRAND-BINDING, REPRESSOR BINDING, CAP-BINDING, WATSON CRICK JUNCTION, and REPRESSOR BINDING. The diagram also shows the binding of various proteins to these sites, including the CAP protein, the REPRESSOR protein, and the CAP-BINDING protein. The diagram is divided into two main sections: CAP-BINDING and REPRESSOR BINDING. The CAP-BINDING section shows the CAP protein binding to the CAP-BINDING site, which is located upstream of the WATSON CRICK JUNCTION. The REPRESSOR BINDING section shows the REPRESSOR protein binding to the REPRESSOR BINDING site, which is located downstream of the WATSON CRICK JUNCTION. The diagram also shows the binding of the CAP-BINDING protein to the CAP-BINDING site, which is located downstream of the REPRESSOR BINDING site. The diagram is labeled with CAP-BINDING and REPRESSOR BINDING.

[illegible]