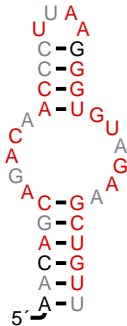


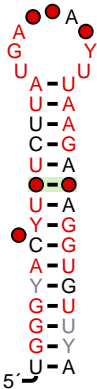
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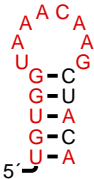
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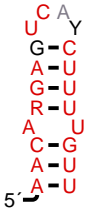
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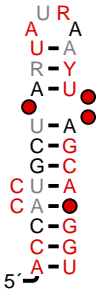
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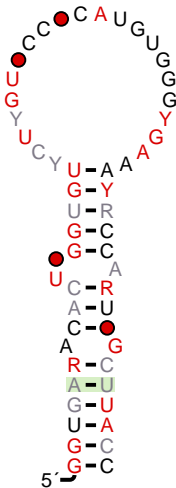
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motif105-5692-5722_1



motif10-566-620_1



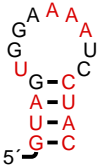
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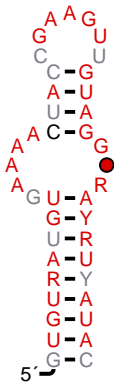
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motif121-6416-6432_1



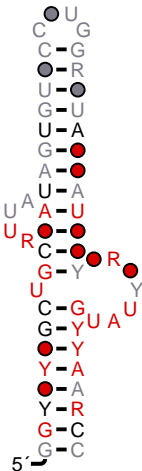
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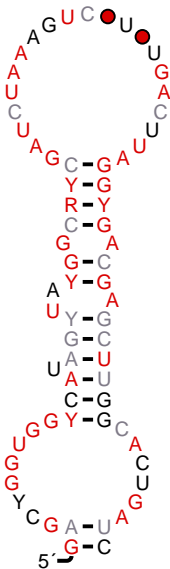
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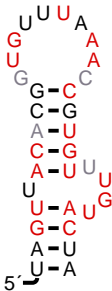
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motif12-654-722_1



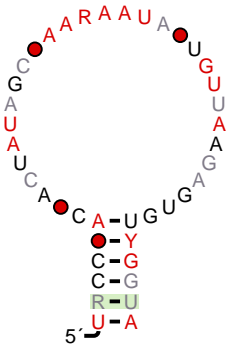
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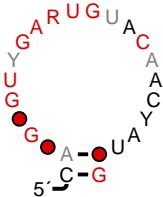
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motif128-6846-6887_1



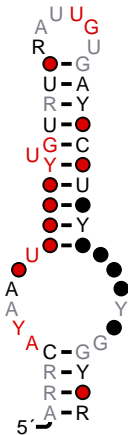
motif137-7521-7544_1



motif138-7564-7593_1



motif139-7604-7650_1



motif140-7660-7690_1



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motif143-7819-7850_1



motif144-7855-7886_1



motif145-7895-7923_1



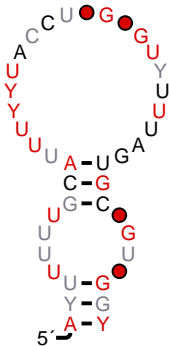
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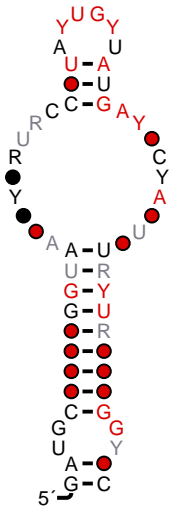
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motif155-8904-8944_1



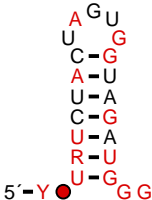
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motif157-9235-9253_1



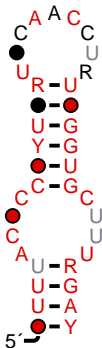
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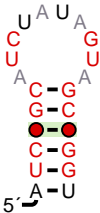
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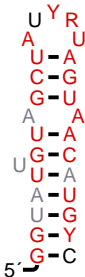
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motif161-9394-9415_1



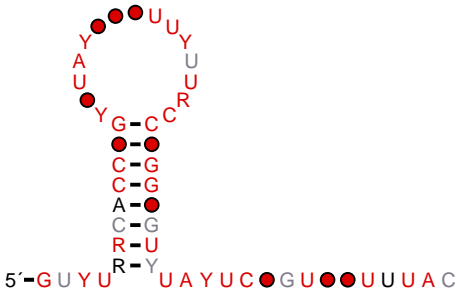
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motif163-9466-9517_1



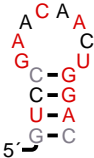
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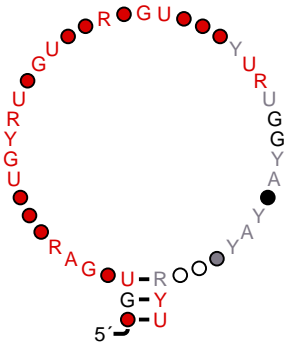
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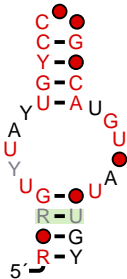
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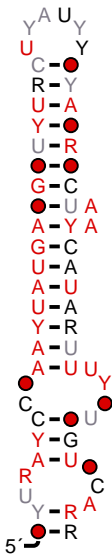
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motif171-10157-10186_1



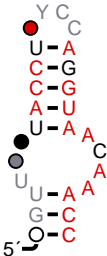
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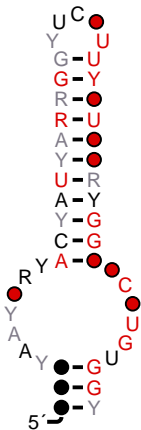
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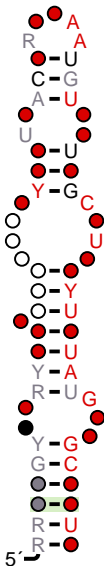
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motif176-10447-10492_1



motif177-10630-10690_1



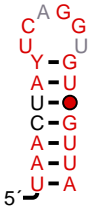
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motif186-11425-11470_1



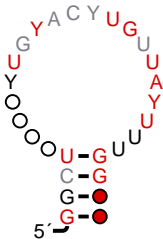
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motif188-11578-11611_1



motif189-11624-11651_1



motif190-1 1720-1 1739_1



motif19-1155-1180_1



motif192-11773-11813_1



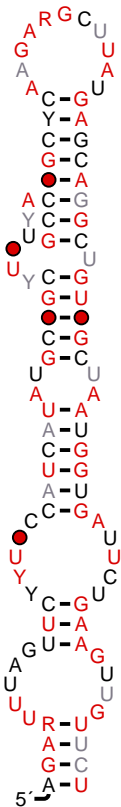
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motif195-11882-11906_1



motif197-12103-12195_1



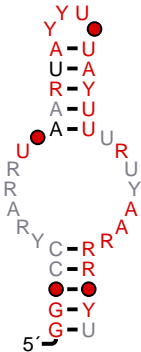
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motif199-12421-12457_1



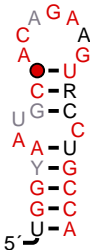
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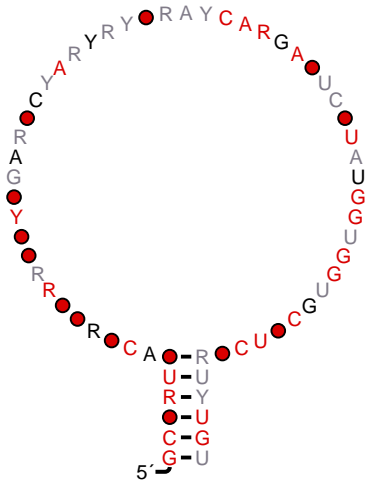
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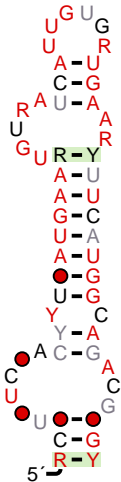
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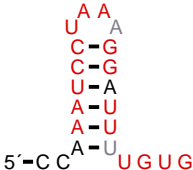
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motif21-1212-1267_1



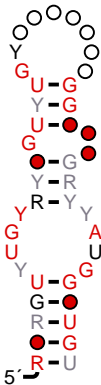
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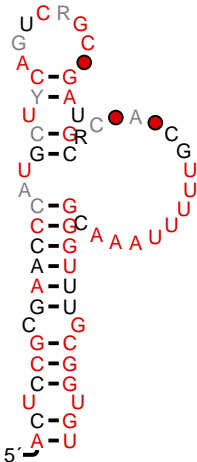
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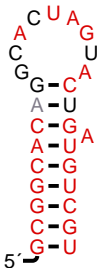
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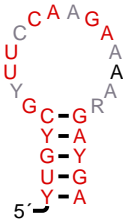
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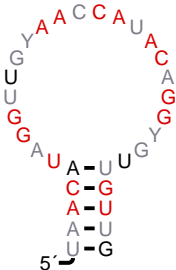
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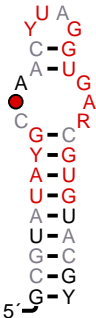
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motif22-1552-1583_1



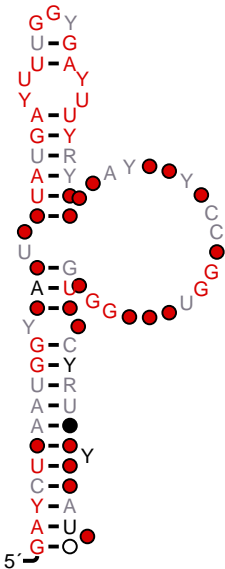
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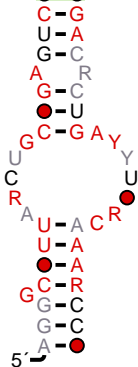


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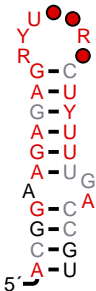


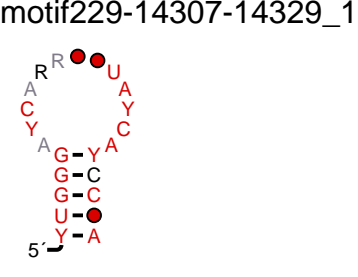
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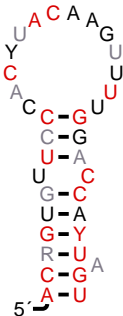


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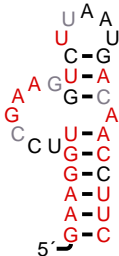




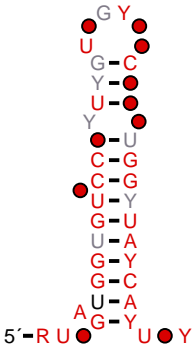
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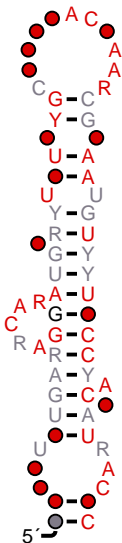
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motif232-14443-14484_1



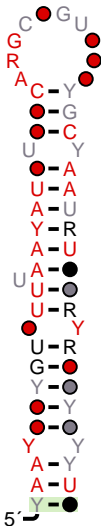
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motif241-15081-15138_1



motif245-15510-15564_1



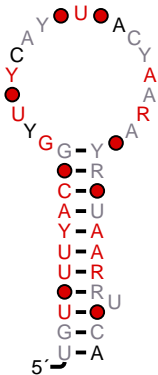
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motif247-15629-15648_1



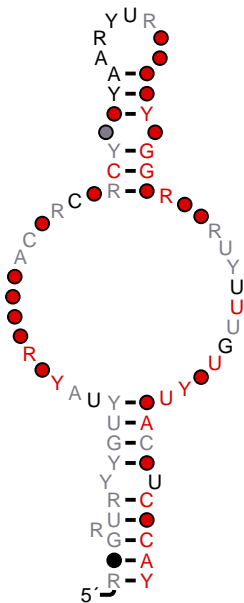
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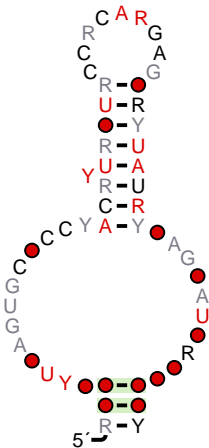
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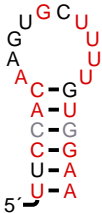
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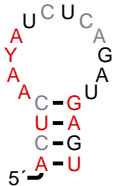
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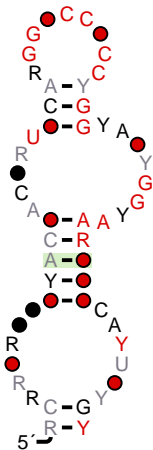
motif26-1711-1732_1



motif262-17001-17020_1



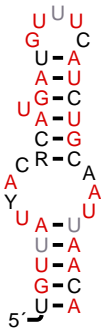
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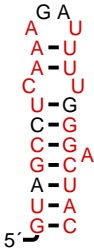
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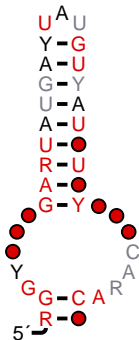
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motif279-17797-17821_1



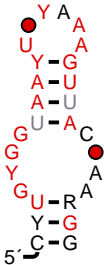
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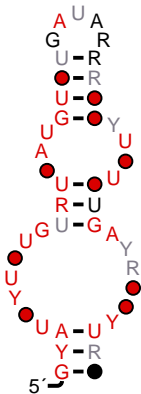
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motif28-1779-1806_1



motif282-17948-17992_1



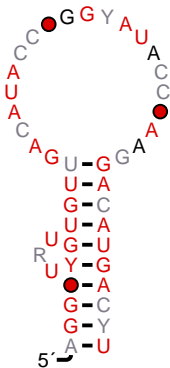
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motif285-18120-18145_1



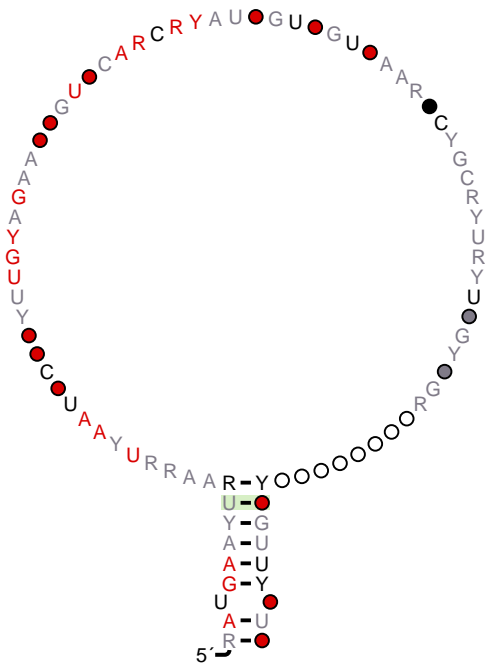
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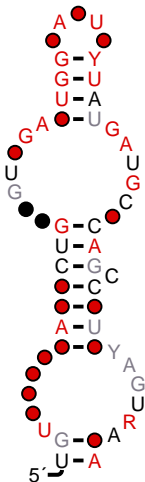
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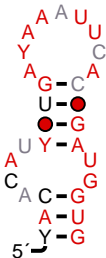
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motif295-19059-19114_1



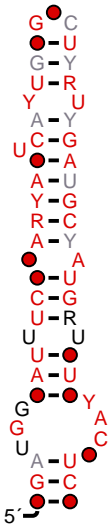
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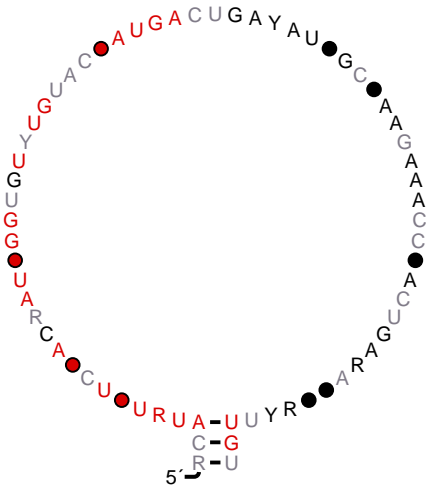
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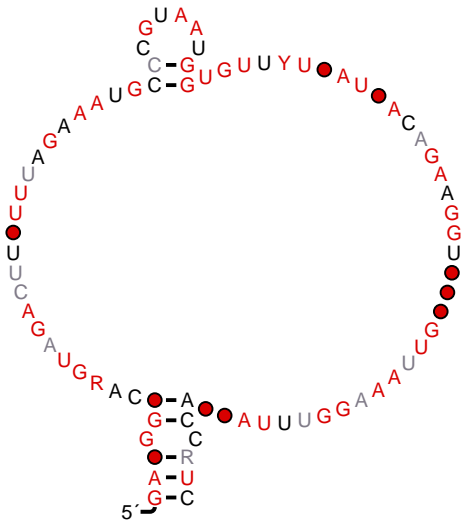
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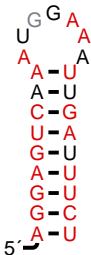
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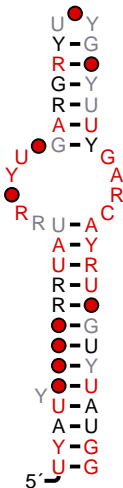
motif311-20002-20081_1



motif312-20236-20260_1



motif313-20282-20333_1



motif314-20341-20381_1



motif315-20390-20413_1



motif327-21082-21108_1

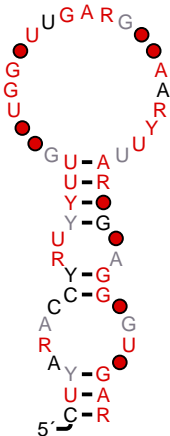


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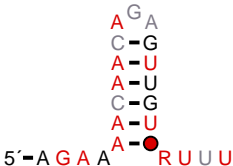


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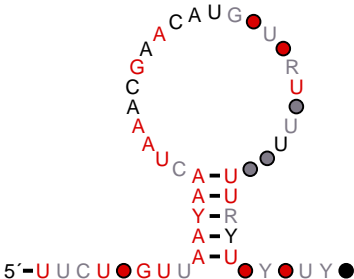
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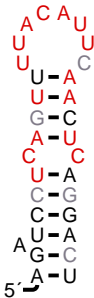
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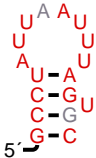
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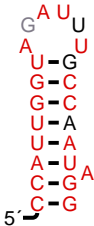
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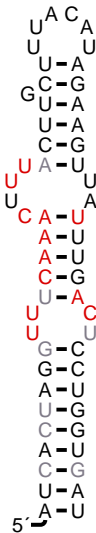
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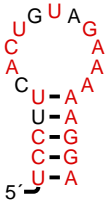
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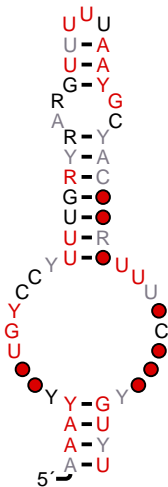
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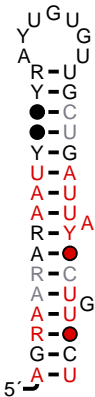
motif350-22508-22546_1



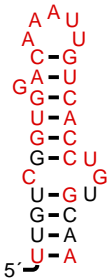
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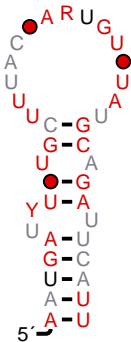
motif352-22625-22665_1



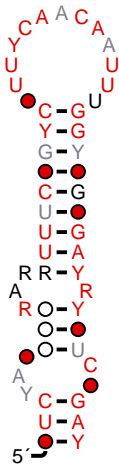
motif35-2241-2270_1



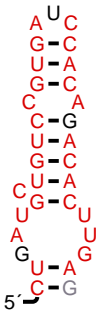
motif355-22724-22761_1



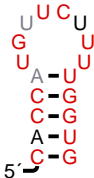
motif366-23224-23275_1



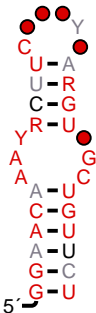
motif367-23280-23311_1



motif368-23325-23342_1



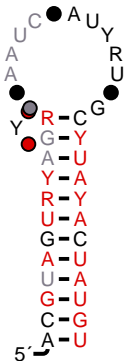
motif369-23363-23394_1



motif370-23526-23553_1



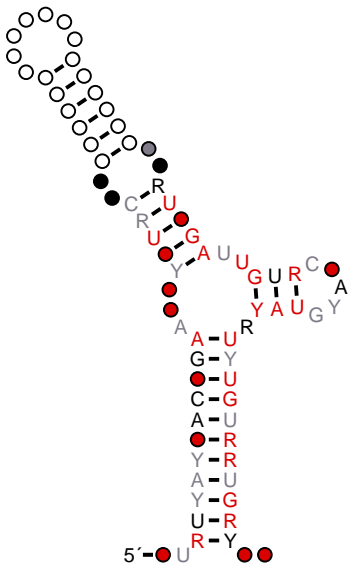
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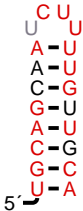
motif37-2314-2380_1



motif373-23724-23799_1



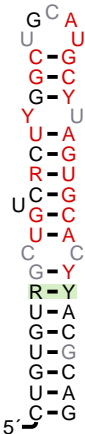
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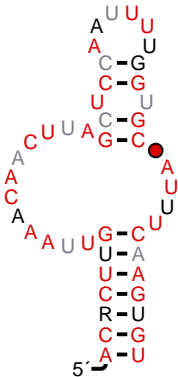
motif383-24385-24436_1



motif3-84-127_1



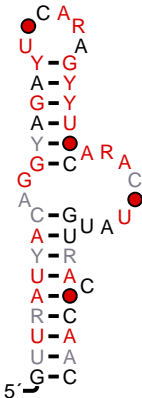
motif384-24443-24489_1



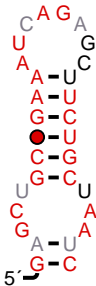
motif385-24505-24532_1



motif386-24547-24593_1



motif387-24603-24632_1



motif388-24692-24719_1



motif390-24742-24785_1



motif39-2500-2520_1

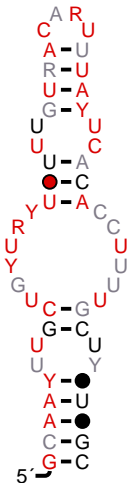


motif402-25381-25406_1



motif403-25481-25568_1

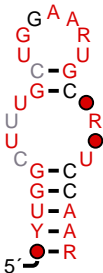
motif404-25634-25685_1



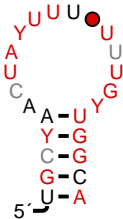
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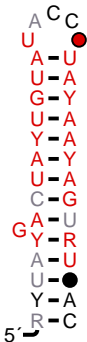
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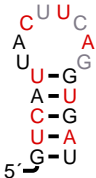
motif408-25818-25841_1



motif409-25850-25883_1



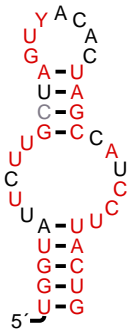
motif410-25894-25911_1



motif411-25924-25972_1



motif419-26315-26350_1



motif420-26388-26426_1



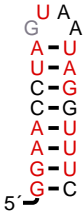
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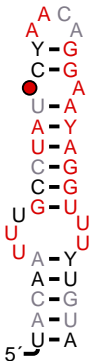
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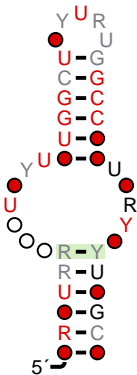
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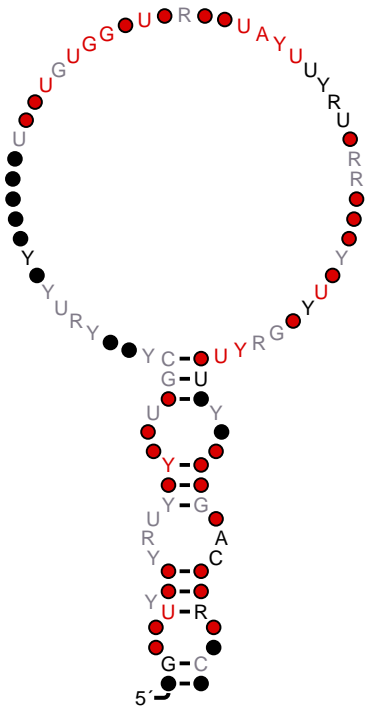
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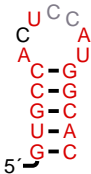
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motif431-26757-26846_1



motif432-26886-26902_1



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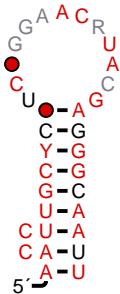
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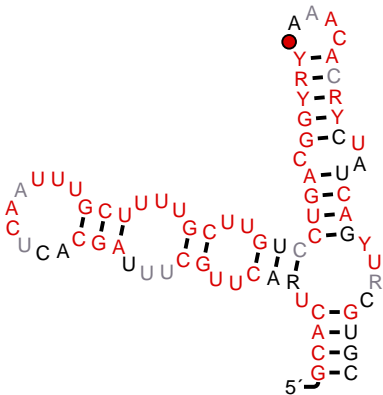
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motif440-27491-27523_1



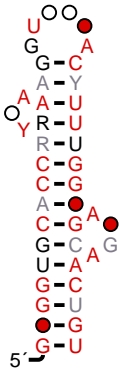
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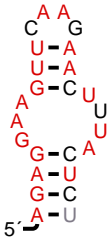
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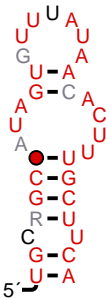
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motif443-27663-27687_1



motif444-27705-27736_1



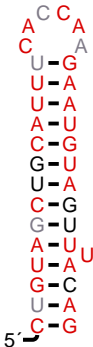
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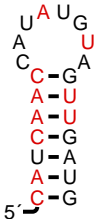
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motif447-27928-27962_1



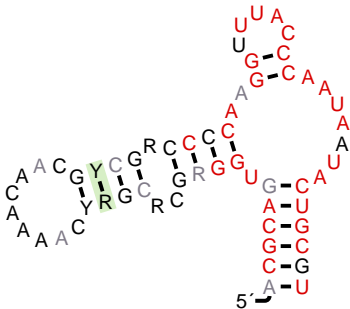
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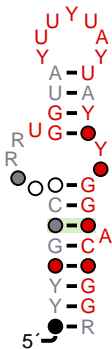
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motif456-28366-28424_1



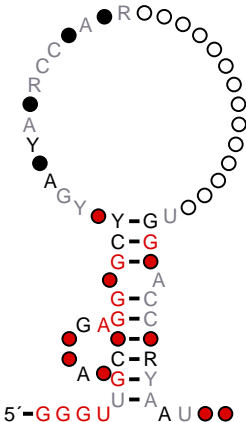
motif457-28583-28621_1



motif459-28641-28665_1



motif460-28668-28725_1



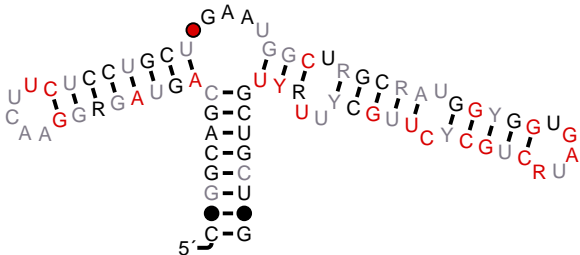
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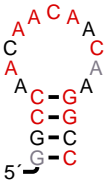
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motif464-28869-28946_1



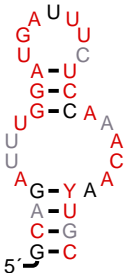
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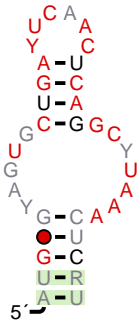
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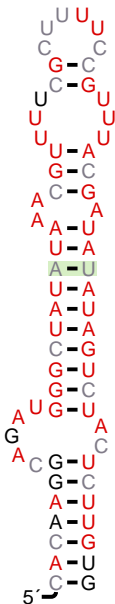
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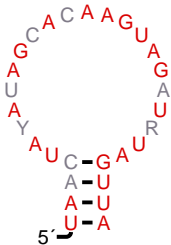
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motif478-29548-29613_1

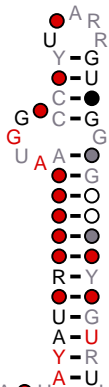


motif479-29629-29657_1



The diagram illustrates the cloverleaf secondary structure of a tRNA molecule. The 5' end is labeled with a '5' and a prime symbol (5'). The structure consists of several stems and loops. The acceptor stem at the top is formed by the 5' terminal phosphate group (represented by a red circle) and the 3' terminal adenosine (A). The D arm contains a dihydrouridine (D) loop with a red circle. The T arm contains a thymine (T) loop with a red circle. The anticodon arm contains an anticodon loop with a red circle. The 3' end of the molecule is labeled with a '3' and a prime symbol (3').

motif60-3525-3585_1

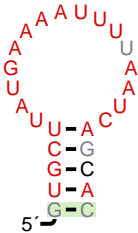


5'-C Y G A U R A ● U U ● U ● ● ● ● G R

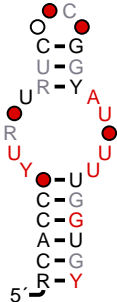
motif61-3605-3647_1



motif62-3663-3688_1



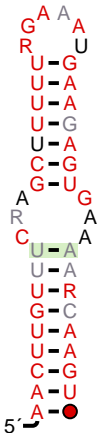
motif63-3701-3732_1



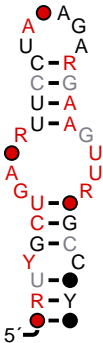
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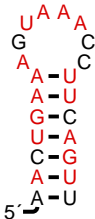
motif65-3819-3862 1



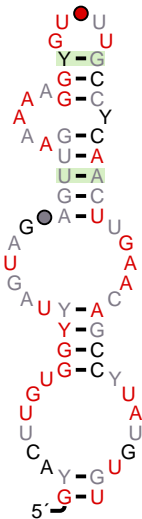
motif66-3871-3906_1



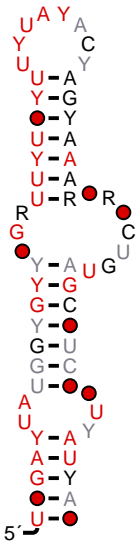
motif67-3910-3931_1



motif7-411-473_1



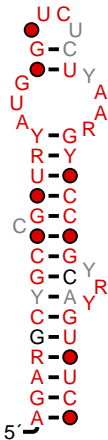
motif80-4512-4572_1



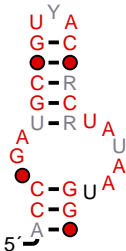
motif81-4601-4626_1



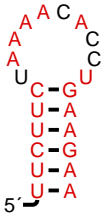
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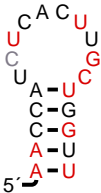
motif83-4702-4729_1



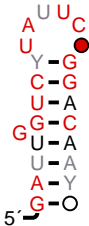
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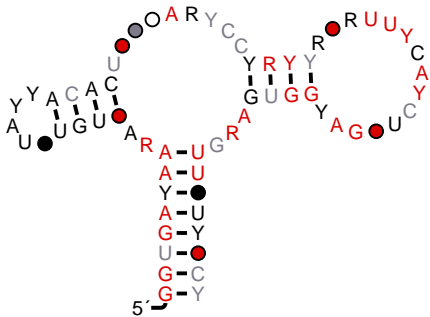
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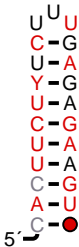
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motif87-4856-4921_1



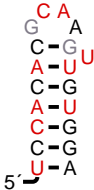
motif88-4938-4960_1



motif89-4974-4991_1



motif90-5001-5019_1



motif91-5037-5077_1



motif92-5093-5153_1

