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| --- | --- | --- | --- | --- |
| **RNA #** | **RNA description** | **5**'**SS**1 | **BS** | **ΨBS** |
| 1 | No functional 5' SS | ca**UA**cc**U** | UACUAAC | UACaAAC |
| 2 | Weak 5' SS | u**GUA**U**G**a | UACUAAC | UACaAAC |
| 32 | Consensus 5' SS | **GGUA**U**GU** | UACUAAC | UACaAAC |
| 4 | Hyperstablized 5' SS mutant | **aGGUAaGUau** | UACUAAC | UACaAAC |
| 5 | No functional 5' SS, BS, and ΨBS mutant | ca**UA**cc**U** | guuagug | guuugug |
| 6 | Weak 5' SS, BS, and ΨBS mutant | u**GUA**u**G**a | guuagug | guuugug |
| 7 | Consensus 5' SS, BS and ΨBS mutant | **GGUA**U**GU** | guuagug | guuugug |
| 8 | Hyperstabilized 5' SS, BS, and ΨBS mutant | **aGGUAaGUau** | guuagug | guuugug |
| 9 | ΨBS mutant | **GGUA**U**GU** | UACUAAC | guuugug |
| 10 | BS mutant | **GGUA**U**GU** | guuagug | UACaAAC |

1Nucleotides at positions potentially base pairing to the U1 snRNA are shown in bold.

2Full sequence of RNA 3 with the 5SS, BS, BS, and ligated biotin handle in bold. The slashes represent the intron boundaries:

5ʹ-GGGAAAGCUAGCUUGGGAUCUCGAGACUAGCAAUAACAAAAUG/**GUAUGU**UAAUAUGGACUAAAGGAGGCUUUUAAGGACACGUAAUAUUGAGUCGACCGUGUUUUUGAUAUCAGUA**UACUAAC**AAGUUGAAUUGCAUU**UACAAAC**UUUUUAUUUUGUAUUGCUUUUCGUCAUUUUAAUAG**/**GGUAGAGUUAGAACCAAGACCGUCAAGCGUGCUUCUAAGGCUUUGAUUGAACGUUACUAUCCAAAGUUGACUUUGGAUUUCCAAACCAACAAGAGACUUUGUGAUGAAAUCGCCACUAUCCAAUCCAAGAGAUUGAGAAACAAGAUUGCUGGUUACACCACCCAUUUGAUGAAGAGAAUCCAAAAGGGUCG**mAmUmCmCmGmGmAmGmCmGmAmG(5-N-U)mAmGmA-Biotin**-3ʹ