**Table S1**

|  |  |  |
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| **Nesprin-1 Variant** | **5’UTR** | **3’UTR** |
| **p603CHNesp1** | Nesprin-1 giant 5’UTR | N1-3’E82 |
| **p391CHNesp1** | Nesprin-1 giant 5’UTR | N1-3’E62 |
| **p252CHNesp1** | Nesprin-1 giant 5’UTR | N1-3’E44 |
| **p81CHNesp1** | Nesprin-1 giant 5’UTR | N1-3’E18 |
| **p56CHNesp1** | Nesprin-1 giant 5’UTR | N1-3’E14 |
| **P55Nesp1** | N1-5’I 14/15 | N1-3’E18 |
| **p144Nesp1** | N1-5’E83 | N1-3’E106 |
| **p50Nesp1** | N1-5’E83 | N1-3’E90 |
| **p12Nesp1** | Nesprin-1β1 5’UTR | N1-3’E87 |
| **p53KASHNesp1** | N1-5’E138 | Nesprin-1 giant 3’UTR |
| **p53ΔKASHNesp1** | N1-5’E138 | Nesprin-1 giant 3’UTR |
| **p931KASHNesp1** | N1-5’I 14/15 | Nesprin-1 giant 3’UTR |
| **p346KASHNesp1** | N1-5’E92 | Nesprin-1 giant 3’UTR |