

**S2 Table. Validation Genes and Disease**

<b>Gene symbol</b>	<b>Gene name</b>	<b>ASE</b>	<b>Stau1 OE WT</b>	<b>Stau1 OE DM1</b>	<b>Predicted by screen</b>	<b>Variant previously reported</b>	<b>Reported variant name (<math>\Delta</math>exon)</b>	<b>Splice variant disease related?</b>
<i>INSR</i>	Insulin Receptor	Exon 11	Inclusion	Inclusion	Y	Y - Savkur et al., 2001	IR-A	Y – DM1 - Savkur et al., 2001
<i>hnRNP A2B1</i>	Heterogeneous nuclear ribonucleoprotein A2B1	Exon 2	Skipping	Skipping	Y	Y – Koz et al., 1995	hnRNP B1	Y – Lung cancer - Sueoka et al., 1999; Kamma et al., 1999
<i>LRRC23</i>	Leucine-rich repeat-containing protein 23	Exon 3	Inclusion	Inclusion	Y	N	-	N
<i>NRG1</i>	Neuregulin 1	Exon 8	Skipping	Skipping	Y	?	?	? – NRG1 dysregulation disrupts synaptic plasticity - Agarwal et al., 2014
<i>HIF1<math>\alpha</math></i>	Hypoxia-inducible factor 1-alpha	Exon 14	Inclusion	Inclusion	Y	Y - Gothie et al., 2000	HIF1 $\alpha$ <sup>736</sup> and sHIF1 $\alpha$	Y- higher expression levels of HIF1 $\alpha$ <sup>736</sup> in OR-negative carcinomas - Dales et al., 2010
<i>FNI</i>	Fibronectin	Exon 33	Skipping	Skipping	Y	Y - Goossens et al., 2009	EDA or EDI	Y – DM1 - Ohsawa et al., 2011
<i>ACCN3</i>	acid sensing (proton gated) ion channel 3	Exon 6	--	Inclusion	Y	?	?	N
<i>CLCN6</i>	Chloride Channel, Voltage-Sensitive 6	Exon 4	Inclusion	Skipping	Y	Y – Eggermont et al., 1997	CIC6b and Exon y+3	N

Y- Yes; N- No; ? - Variant reported in databases (NCBI) however could not find variant in publication; - - No information