**Supplementary Table 7.** List of siRNAs that passed off-target filtration against the human genome

<table>
<thead>
<tr>
<th>Name</th>
<th>Start position</th>
<th>Sense strand sequence</th>
<th>Antisense strand sequence</th>
<th>BLAST pass Sense strand</th>
<th>BLAST pass Antisense strand</th>
<th>Overall BLAST pass</th>
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<td>siRNA_1</td>
<td>294</td>
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<td>Yes</td>
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<td></td>
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<td>UUACUGgu</td>
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<td>siRNA_2</td>
<td>664</td>
<td>GGAUAUCACCG</td>
<td>UAUGAGAGCGGU</td>
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<td></td>
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<td>GAUAUCCcu</td>
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<td>UAUGAGUUCGUC</td>
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<td></td>
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<td>GUCUUUGcc</td>
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<td>UCGUCGuc</td>
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<td>ACUAAGCgg</td>
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