(A) CHD7 canonical transcript

EXON 1 2 3 36 37 38

CHD7 CRA_e alternative transcript

EXON 1 2 3 36 37 38

100 bp exon 10 kbp intron

(B) Overall nucleotides identity Local nucleotides identity

<table>
<thead>
<tr>
<th>Species</th>
<th>SD</th>
<th>BP</th>
<th>SA</th>
<th>Overall</th>
<th>Local</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homo sapiens(NM_017780.2)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>--</td>
<td>99% 100%</td>
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</tr>
<tr>
<td>Pan troglodytes(XM_519780.2)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>99% 92% 97%</td>
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<tr>
<td>Equus caballus(XM_001915768.1)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>94% 94%</td>
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<tr>
<td>Canis familiaris(XM_544097.2)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>89% 89%</td>
<td></td>
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<tr>
<td>Mus musculus(NM_001081417.1)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>88% 94%</td>
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</tr>
<tr>
<td>Monodelphis dom.(XM_001368235.1)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>88% 86%</td>
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<tr>
<td>Rattus norvegicus(NM_00107906.1)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>88% 100%</td>
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<tr>
<td>Sus scrofa(XR_045625.1)</td>
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<td>86% 100%</td>
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<tr>
<td>Bos taurus(XM_612494.4)</td>
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<td>84% 100%</td>
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<tr>
<td>Gallus gallus(NM_001077586.1)</td>
<td>5'-CAGTTAG...-CAGATGGCTGTTCCTCATTTCAAGA-3'</td>
<td>84% 100%</td>
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</tbody>
</table>