

**Table S3. Comparative alignment of *HAS2* and *HAS2* antisense.**

<b><i>HAS2</i></b>				
<b>Location (human)</b>	<b>Position in the human genome</b>	<b>Location dog</b>	<b>Position in the dog genome</b>	<b>Alignment dog-human</b>
5'UTR /Exon 1	chr8: 122653093-122653630	Not annotated	Not annotated	chr13: 23378112-23378663
Exon 2 coding	chr8: 122640954-122641580	Exon 1 coding	chr13: 23364286-23364912	n/a
Exon 3 coding	chr8: 122629345-122629446	Exon 2 coding	chr13:23351193-23351294	n/a
Exon 4 coding	chr8: 122626349 -122627278	Exon 3 coding	chr13:23348773-23349702	n/a
Exon 4 / 3'UTR	chr8: 122625271-122626348	Not annotated	Not annotated	chr13: 23347739-23348772
<b><i>HAS2AS</i></b>				
<b>Location (human)</b>	<b>Position in the human genome</b>	<b>Location dog</b>	<b>Position in the dog genome</b>	<b>Alignment dog-human</b>
Exon 1 UTR	chr8: 122651586-122652408	Not annotated	Not annotated	chr13: 23376703-23377412
Exon 2 UTR	chr8: 122653430-122653686	Not annotated	Not annotated	chr13: 23378472-23378726
Exon 3 UTR	chr8: 122654824-122654971	Not annotated	Not annotated	chr13: 23379839-23379993
Exon 4 UTR	chr8: 122656506-122656933	Not annotated	Not annotated	chr13: 23381680-23382156