IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF DELAWARE

SAN ROCCO THERAPEUTICS, LLC,)
Plaintiff,))) C.A. No. 21-1478-RGA
V.)
BLUEBIRD BIO, INC. and THIRD ROCK VENTURES, LLC,) HIGHLY CONFIDENTIAL)
Defendants)

PLAINTIFF'S INITIAL INFRINGEMENT CLAIM CHARTS



Appendix A – Initial Infringement Claim Chart For U.S. Patent No. 7,541,179 – HIGHLY CONF

U.S. P	atent No. 7,541,179	BB305
		As the HS2 fragment is located between BstXI and SnaBI, the HS2 fragment is a Espanning nucleotide fragment of said LCR.
		Bluebird's limited production also supports this element. <i>See</i> BBI-DEL-000 0000034. For example, bluebird's HS2 sequence identified in versus the SnaBI-below:
		Start (0)
		500 ¹ 1000 ¹ 1500 ¹ SnaBI-BstXI BB305_HS2
		HS2 1735 bp
		BB305_HS2 obtained from BBI-DEL-0000023-28 and compared to SnaBI-BstX
1.5 [the three fragments being] [(2)] a BamHI and HindIII HS3-spanning nucleotide fragment of said LCR, and	The BB305 vector comprises the 3.2-kb fragment discussed above (<i>see</i> claim 1.2 kb fragment consists essentially of three contiguous nucleotide fragments obtain globin locus control region (LCR), wherein the HS3 fragment (<i>see</i> claim 1.3 st HindIII HS3-spanning nucleotide fragment of said LCR.	
	spanning nucleotide fragment of said	To the extent the HS3 in BB305 is not literally a BamHI and HindIII HS3-spanning of said LCR, it is present under the doctrine of equivalents. For example, to insubstantially different from a BamHI and HindIII HS3-spanning nucleotide fragthe HS3 fragment is a HS3 fragment and sufficiently sized to cause expression payload but not large enough to disrupt functioning of the vector. Alternativel performs substantially the same function, in substantially the same way, to achieve BamHI and HindIII HS3-spanning nucleotide fragment of said LCR. For examp HS3 in BB305 and the BamHI and HindIII HS3-spanning nucleotide fragment of expression of the globin gene payload. It performs that function in substantially is through the use of part of a human-derived β-globin locus control region known and the properties of the same sufficiently small to fit the recombinant vector. This achieves the same

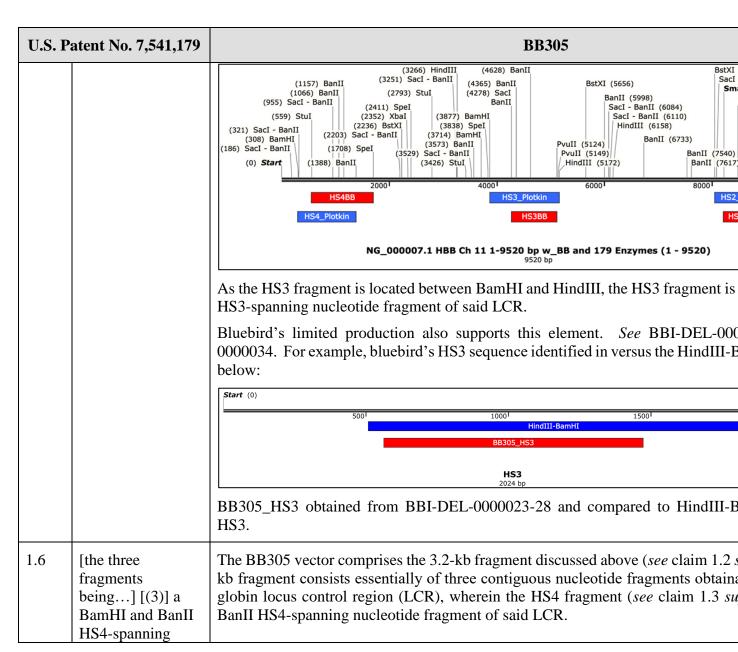


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BB305		
controlled expression of a replacement β-globin gene in the target cell. Notably, approximately two-thirds the size of the full BamHI and HindIII region. Exemplary Support: The HS3 fragment in BB305 (denoted "HS3BB") is a subset of the HS3 human fragment.		
The HS3 fragment in BB305 (denoted "HS3BB") is a subset of the HS3 human fregion (LCR) located between the restriction sites BamHI (3877) and HindIII (516) HindIII (4628) BanII (4365) BanII (4278) SacI (4278) SacI (4278) SacI (3877) BamHI (3838) SpeI (3714) BamHI (3573) BanII (



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CERTIFICATE OF SERVICE

The undersigned hereby certifies that on August 10, 2023, a copy of the foregoing document was served, by email, on the counsel listed below:

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