SUPPLEMENTARY **TABLE S1:** DNA SEQUENCE OF KNOCK-IN CHM1^{319}-TCR

LHA	CTGCCTTTACTCTGCCAGAGTTATATTGCTGGGGTTTTGAAGAAGATCCTATTAA ATAAAAGAATAAGCAGTATTATTAAGTAGCCCTGCATTTCAGGTTTCCTTGAGT GGCAGGCCAGGCCTGGCCGTGAACGTTCACTGAAATCATGGCCTCTTGGCCA AGATTGATAGCTTGTGCCTGTCCCTGAGTCCCAGTCCATCACGAGCAGCTGGTT TCTAAGATGCTATTTCCCGTATAAAGCATGAGACCGTGACTTGCCAGCCCCACA GAGCCCCGCCCTTGTCCATCACTGGCATCTGGACTCCAGCCTGGGTTGGGGCA AAGAGGGAAATGAGATCATGTCCTAACCCTGATCCTCTTGTCCCACAGATATCC AGAACCCTGACCCTGCCGTG
P2A	GGCAGCGGCGCCACCAACTTCAGCCTGCTGAAGCAGGCCGGCGACGTGG AAGAGAACCCCGGGCCC
VDJβ	ATGCTGTCTCCAGATCTGCCTGACAGCGCCTGGAACACCCGGCTGCTGTGC AGAGTGATGCTGTGCCTGCTGGGAGCCGGATCTGTGGCTGCTGGCGTGAT CCAGAGCCCCAGACACCTGATCAAAGAGAAGAGAGAGACAGCCACCCTG AAGTGCTACCCCATCCCCAGGCACGACACCGTGTACTGGTATCAGCAGGG CCCAGGCCAGGACCCCCAGTTCCTGATCAGCTTCTACGAGAAGATGCAGA GCGAC
TRBC with additional cysteine bridges	AAGGGCAGCATCCCCGACAGATTCAGCGCCCAGCAGTTCAGCGACTACCA CAGCGAGCTGAACATGAGCAGCCTGGAACTGGGCGACAGCGCCCTGTAC TTCTGCGCCTCTAGCTTCCTGGGCGAGAAAACCGAGGCATTCTTTGGGCA GGGCACCAGACTGACCGTGGTGGAGGATCTGAGAAATGTGACTCCACCC AAGGTCTCCTTGTTTGAGCCATCAAAAGCAGAGATTGCAAACAAACAAAA GGCTACCCTCGTGTGCTTGGCCAGGGGCTTCTTCCCTGACCACGTGGAGC TGAGCTGGTGGGTGAATGGCAAGGAGGTCCACAGTGGGGTCTGCACGGA CCCTCAGGCCTACAAGGAGAGCAATTATAGCTACTGCCTGAGCAGCCGCCT GAGGGTCTCTGCTACCTTCTGGCACAATCCTCGAAACCACTTCCGCTGCCA AGTGCAGTTCCATGGGCTTTCAGAGGAGGACAAGTGGCCAGAGGGCTCA CCCAAACCTGTCACACAGAACATCAGTGCAGAGGCCTGGGGCCGAGCAG ACTGTGGAATCACTTCAGCATCCTATCATCAGGGGGTTCTGTCTGCAACCAT CCTCTATGAGATCCTACTGGGGAAGGCCACCCTATATGCTGTGCTGGTCAG TGGCCTGGTGCTGATGGCCATGGTCAAGAAAAAAAATTCC
T2A	GGCAGCGGCGAGGGCAGAGGAAGTCTGCTAACATGCGGTGACGTCGAG GAGAATCCTGGACCT
VJα	ATGACCAGCATCCGGGCCGTGTTCATCTTCCTGTGGCTGCAGCTGGACCTC GTGAACGGCGAGAACGTGGAACAGCACCCCAGCACCCTGAGCGTGCAGG AAGGCGATAGCGCCGTGATCAAGTGCACCTACAGCGACTCCGCCAGCAAC TACTTCCCCTGGTACAAGCAGGAACTGGGAAAGCGGCCCCAGCTGATCAT CGACATCCGGTCCAACGTGGGAGAGAAGAAGGACCAGCGGATCGCCGTG ACCCTG
TRAC with additional cysteine bridges	AACAAGACCGCCAAGCACTTCTCCCTGCACATCACCGAGACACAGCCCGA GGACTCCGCCGTGTACTTTTGTGCCGCTTCTGCCGGCGGATCCCAGGGCA ATCTGATCTTCGGCAAGGGCACCAAGCTGAGCGTGAAGCCCAACATCCAG AACCCAGAACCTGCTGTGTACCAGTTAAAAGATCCTCGGTCTCAGGACAG CACCCTCTGCCTGTTCACCGACTTTGACTCCCAAATCAATGTGCCGAAAAC CATGGAATCTGGAACGTTCATCACTGACAAATGCGTGCTGGACATGAAAGC TATGGATTCCAAGAGCAATGGGGCCATTGCCTGGAGCAACCAGACAAGCT TCACCTGCCAAGATATCTTCAAAGAGACCAACGCCACCTACCCCAGTTCAG ACGTTCCCTGTGATGCCACGTTGACTGAGAAAAGCTTTGAAACAGATATGA ACCTAAACTTTCAAAACCTGTCAGTTATGGGACTCCGAATCCTCCTGCTGA AAGTAGCCGGATTTAACCTGCTCATGACGCTGAGGCTGTGGTCCAGT
Stop	TGA

Poly A	CTAGAGCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTG TTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCA CTGTCCTTTCCTAATAAAATGAGGAAATTGCATCGCATTGTCTGAGTAGGTG TCATTCTATTCTGGGGGGTGGGGTGGGGCAGGACAGCAAGGGGGAGGAT TGGGAAGAGAATAGCAGGCATGCTGGGGA
RHA	TACCAGCTGAGAGACTCTAAATCCAGTGACAAGTCTGTCTGCCTATTCACC GATTTTGATTCTCAAACAAATGTGTCACAAAGTAAGGATTCTGATGTGTATA TCACAGACAAAACTGTGCTAGACATGAGGTCTATGGACTTCAAGAGCAAC AGTGCTGTGGCCTGGAGCAACAAATCTGACTTTGCATGTGCAAACGCCTTC AACAACAGCATTATTCCAGAAGACACCTTCTTCCCCAGCCCAGGTAAGGG CAGCTTTGGTGCCTTCGCAGGCTGTTTCCTTGCTTCAGGAATGGCCAGGTT CTGCCCAGAGCTCTGGTCAATGATG