

Sales Order: Mus 240508B
Cell Line Designation: HC11
Date Sample Received: May 8th, 2024
Report Date: May 11th, 2024

Methodology: Eighteen short tandem repeat (STR) loci were amplified using multiplex PCR. One additional marker (Human TH01) was used to screen for the presence of human species. The cell line sample was processed using the ABI Prism® 3130 XL Genetic Analyzer. Data were analyzed using Gene Mapper® ID v3.2 software (Applied Biosystems). Appropriate positive and negative controls were run and confirmed for each sample submitted.

Data Interpretation: Cell lines were authenticated using Short Tandem Repeat (STR) analysis as described in Almeida JL et al., Interlaboratory study to validate a STR profiling method for intraspecies identification of mouse cell lines. PLoS One. 2019;14(6):e0218412.

GTB™ performs STR Profiling following ISO 9001:2008 and ISO/IEC 17025:2005 quality standards.

There are no warranties with respect to the services or results supplied, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Genetic Testing Biotechnology (GTB) is not liable for any damages or injuries resulting from receipt and/or improper, inappropriate, negligent or other wrongful use of the test results supplied, and/or from misidentification, misrepresentation, or lack of accuracy of those results. Your exclusive remedy against GTB and those supplying materials used in the services for any losses or damage of any kind whatsoever, whether in contract, tort, or otherwise, shall be, at GTB's option, refund of the fee paid for such service or repeat of the service.

NOTE: According to the recommendations of *JC* on cell line authentication, the report is valid for 3 years since the issue date.

Technical Questions?
GTB Technical Support
+86-512-67486171
service@jsdna.org
Section 505, Yixin BLD
SIP, Suzhou, 215123
Jiangsu, P.R. China

Ordering Questions?
order@jsdna.org
GTB Corporation
+86-512-62806339
Section 303, Yixin BLD
SIP, Suzhou, 215123
Jiangsu, P.R. China



Loci	Test Results for Submitted Sample		ExPASy Reference Database Profile
	Query Profile: HC11		Database Profile: NA
TH01(Human)	-		
4-2	21.3		
6-4	19		
1-1	13	14	
6-7	12		
2-1	16		
17-2	10	16	
11-2	18		
8-1	13		
19-2	13		
7-1	26.2		
1-2	17		
13-1	16.2	17.2	
5-5	14		
12-1	16		
18-3	17	18	
15-3	22.3		
3-2	14		
X-1	24		

Explanation of Test Results

Cell lines with $\geq 80\%$ match are considered to be related; i.e., derived from a common ancestry. Cell lines with between a 55% to 80% match require further profiling for authentication of relatedness.

- The submitted profile is mouse, but not a match for any profile in the ExPASy mouse STR database.
- The submitted profile is an exact match for the following cell line(s) in the ExPASy mouse STR database:
- The submitted profile is similar to the following ExPASy cell line(s):

Human Species Detection

- Human has been detected in the submitted sample profile (see attached electropherogram at Human TH01 loci).

e-Signature Technician: Digitally signed by Xuekun Chen
 DN: cn=Xuekun Chen, o=Genetic Testing
 Biotechnology (Suzhou), ou=DNA Typing Section,
 email=order@jsdna.org, c=CN
 Date: 2024.05.11 14:49:43 +08'00'

e-Signature Reviewer: Digitally signed by Xiankun Zhao
 DN: cn=Xiankun Zhao, o=Genetic Testing
 Biotechnology (Suzhou), ou=Supervision Section,
 email=service@jsdna.org, c=CN
 Date: 2024.05.11 14:56:59 +08'00'



Addendum: Electropherogram for the customer's sample set 1 of 1



Cell Line Authentication Service Mouse STR Profile Report

