

Fig.5 Sequence analysis of Cytochrome b (cytb) of LAH1  
 (The region of cytb to distinguish subspecies of Bufo in Fig.4)

- ① cytb sequence of *Pelophylax nigromaculatus* <https://www.ncbi.nlm.nih.gov/nucore/KT878718.1>
- ② RCB1733 LAH1 Lot.1 :Result of distributed LAH1 cells (Lot.1): deposited as *Pelophylax nigromaculatus* origin
- ③ RCB1733 LAH1 TK :Result of LAH1 cells immediately after deposition
- ④ cytb sequence of *Bufo japonicas formosus* <https://www.ncbi.nlm.nih.gov/nucore/AB713498>

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① 1 ATCTGCATCTACCTCCACATGGCGGGTCTTACTATGGCTCCTCCCTCTCAAAGAGACTGAAACATGGCGTCTATCTGTTCTTAGTCATAGCCACGGCTTTGTAGGCTATGTCCTCCCCTGAGGCACAAATGTCCTTTCTGA 150
② 1 ATCTGCATCTACCTCCACATCGGACGAGGAATGTACTATGGCTCCTTCCCTATTCAAAGAGACTTGAATGTGGGGTTATTCTCCTATTCTGGTCATAGCCACAGCATTCTAGGCTACGTCCTCCCATGGGGACAAATGTCCTTTCTGA 150
③ 1 ATCTGCATCTACCTCCACATCGGACGAGGAATGTACTATGGCTCCTTCCCTATTCAAAGAGACTTGAATGTGGGGTTATTCTCCTATTCTGGTCATAGCCACAGCATTCTAGGCTACGTCCTCCCATGGGGACAAATGTCCTTTCTGA 150
④ 1 ATCTGCATCTACCTCCACATCGGACGAGGAATGTACTATGGCTCCTTCCCTATTCAAAGAGACTTGAATGTGGGGTTATTCTCCTATTCTGGTCATAGCCACAGCATTCTAGGCTACGTCCTCCCATGGGGACAAATGTCCTTTCTGA 150

① 151 GGGGCAACCGTAATCACAAACCTTCTCTCTGCCGCCCTTACATTGGAACCGAAGCTGTTCAATGAATCTGAGGGGGCTTTTCGGTCGACAACGCAACTCTAACACGGTTTTTTCACATTTCACTTCATCTTACCATTTATCATTGCAGGC 300
② 151 GGGGCAACCGTAATCACAAACCTTCTCTCTGCCGCCCTTACATTGGAACCGAAGCTGTTCAATGAATCTGAGGGGGCTTTTCGGTCGACAACGCAACTCTAACACGGTTTTTTCACATTTCACTTCATCTTACCATTTATCATTGCAGGC 300
③ 151 GGGGCAACCGTAATCACAAACCTTCTCTCTGCCGCCCTTACATTGGAACCGAAGCTGTTCAATGAATCTGAGGGGGCTTTTCGGTCGACAACGCAACTCTAACACGGTTTTTTCACATTTCACTTCATCTTACCATTTATCATTGCAGGC 300
④ 151 GGGGCAACCGTAATCACAAACCTTCTCTCTGCCGCCCTTACATTGGAACCGAAGCTGTTCAATGAATCTGAGGGGGCTTTTCGGTCGACAACGCAACTCTAACACGGTTTTTTCACATTTCACTTCATCTTACCATTTATCATTGCAGGC 300

① 301 GCAGTATGATCCACCTCTCTTTCTTCAACAAACTGGGTCCTCTAACCCACAGGACTTAAATTTAACCTAGATAGAGTCTCTTTTCACTCCTACTTCTCTATAAAGACCTCTCGGATTGTTATTATGTTAGGGCCCTAGCCTCT 450
② 301 GCCTCTATACTTCACTCCTATTCTTACATCAAAACAGGATCCTCCAACCCGACAGGCTTAAACCCCAACTTCGACAAAGATCCCCCTCCACGCCTACTACTCTTACAAAGACCTCTTCGGTTTCGCAATTATGCTTGTCTCCTTGGCCTC 450
③ 301 GCCTCTATACTTCACTCCTATTCTTACATCAAAACAGGATCCTCCAACCCGACAGGCTTAAACCCCAACTTCGACAAAGATCCCCCTCCACGCCTACTACTCTTACAAAGACCTCTTCGGTTTCGCAATTATGCTTGTCTCCTTGGCCTC 450
④ 301 GCCTCTATACTTCACTCCTATTCTTACATCAAAACAGGATCCTCCAACCCGACAGGCTTAAACCCCAACTTCGACAAAGATCCCCCTCCACGCCTACTACTCTTACAAAGACCTCTTCGGTTTCGCAATTATGCTTGTCTCCTTGGCCTC 450

① 451 CTCTCCACCTTCGCCCCAACCTGCTTGGAGACCAGACAAATTTACACCGGCAACCCACTGTTACACCCCCACATTAAGCCAGAGTGATACTTCTTTTCGCCTAGGCCATCCTTCGCTCAATCCCAACAAATAGGGGGTGTG 600
② 451 TTGTCCACCTTCGCCCCAACCTCCTGGGTGATCCAGACAACTTTACACCGGCAACCCACTAGTCAACCCACCACATCAAGCCAGAGTGATACTTCTTATTTCGCTTATGCCATCCTTCGCTCAATCCAAACAAACTGGGGGAGTC 600
③ 451 TTGTCCACCTTCGCCCCAACCTCCTGGGTGATCCAGACAACTTTACACCGGCAACCCACTAGTCAACCCACCACATCAAGCCAGAGTGATACTTCTTATTTCGCTTATGCCATCCTTCGCTCAATCCAAACAAACTGGGGGAGTC 600
④ 451 TTGTCCACCTTCGCCCCAACCTCCTGGGTGATCCAGACAACTTTACACCGGCAACCCACTAGTCAACCCACCACATCAAGCCAGAGTGATACTTCTTATTTCGCTTATGCCATCCTTCGCTCAATCCAAACAAACTGGGGGAGTC 600

① 601 CTGGCCTCCTCTCTCTATGATGTCCTCTTCTGATGCCATATATTTACACACTCTAAACCGGCTCCCTTATTTTCGCCCCAATGCAAAAACCTTCTTGAAGCACTAGTGGCAACACCCCTATTCTAACCTGAATCGGGGGTCAA 750
② 601 TTAGCTCTTTTATTCTCTATTATAATCCTATTCTCATGCCCTTCTCCACACCTCTAAACAAAGAAACCTCATGTTCCGGCCCTTTGGCAAAAACCTTCTTTTGAACACTAGTAGCCAACACCCCTATTCTAACCTGAATCGGGGGTCAA 750
③ 601 TTAGCTCTTTTATTCTCTATTATAATCCTATTCTCATGCCCTTCTCCACACCTCTAAACAAAGAAACCTCATGTTCCGGCCCTTTGGCAAAAACCTTCTTTTGAACACTAGTAGCCAACACCCCTATTCTAACCTGAATCGGGGGTCAA 750
④ 601 TTAGCTCTTTTATTCTCTATTATAATCCTATTCTCATGCCCTTCTCCACACCTCTAAACAAAGAAACCTCATGTTCCGGCCCTTTGGCAAAAACCTTCTTTTGAACACTAGTAGCCAACACCCCTATTCTAACCTGAATCGGGGGTCAA 750

① 751 CCAGTAGAAGACCCATTGTCATAATTGGCCAAGTAGCCTCTATCTCTACTTCTTAATCTTCATCATTTTTATCCCCCTC 831
② 751 CCAGTAGAAGACCCATTGTCATAATTGGCCAAGTAGCCTCTATCTCTACTTCTTAATCTTCATCATTTTTATCCCCCTC 831
③ 751 CCAGTAGAAGACCCATTGTCATAATTGGCCAAGTAGCCTCTATCTCTACTTCTTAATCTTCATCATTTTTATCCCCCTC 831
④ 751 CCAGTAGAAGACCCATTGTCATAATTGGCCAAGTAGCCTCTATCTCTACTTCTTAATCTTCATCATTTTTATCCCCCTC 831
    
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