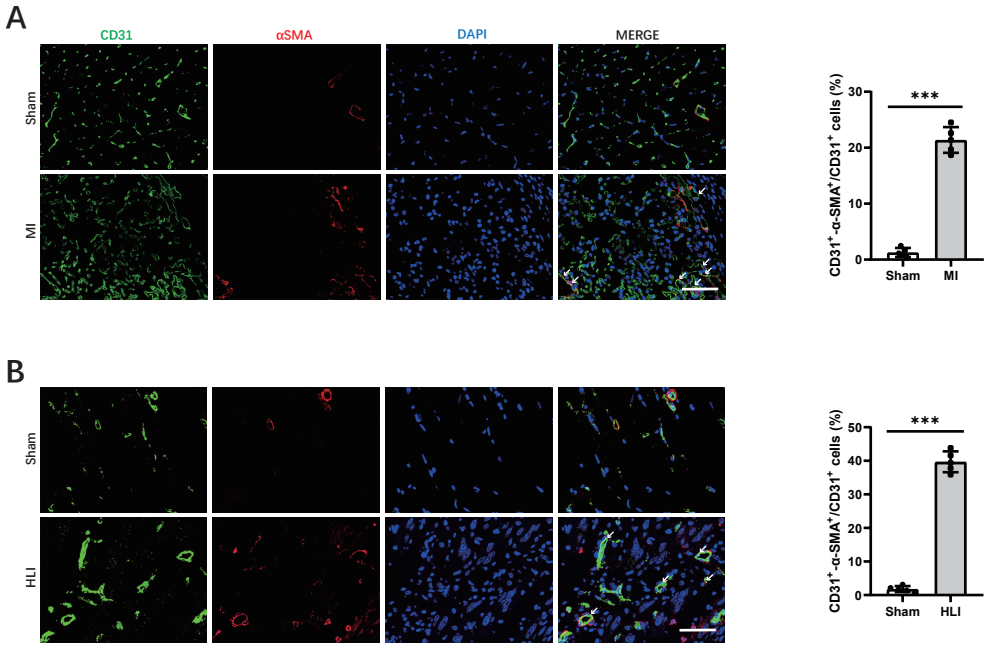
Supplementary Figure 1



Supplementary Figure 2

A

Identity= 81.90%

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Consensuatcc gagctgc   tg c g  t   g acccacggggagatgattcc catgaag gcctggatcccctacagaaatc aatgtgact tc gttta

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mus     TCAGACTAAAACCAGAGCCGGCCAGCCAGTGAAACAGCCACCGTGGAGGGGGGACGGCGAAAAATGAAATCCAACCAAGAGCGGAGCAACGAATGCCTGC   200
Consenstcagactaaaa cagagcc  ccag cagtgaaacag caccgtggagggggacggcgaaaaatgaaatccaaccaagagcggagcaacgaatgcctgc

homo    CTCCCAAGAAGCCGGAGATCCCCGCCACCAGCCGGTCCTCCGAGGAGAAGGCCCCTACCCTGCCCAGCGACAACCACCGGGTGGAGGGCACAGCATGGCT   297
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homo    CCCGGGCACACCCTGGTGGCCGGGGCCACGGGGGCGGGAGGCATGGGCCGGCAGGGACCTCGGTGGAGCTTGGTTTACAACAGGGAATAGGTTTACACAAA   397
mus     CCCCAGCACCCCTGGCATCCGCGGCCATGGGGGTGGGCGGCACGGGTCAGCAGGGACTTCCGGGGAGCATGGTTTACAA...GGAATGGGTTTACATAAA   397
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homo    GCATTGTCCACAGGGCTGGACTACTCCCCGCCCAGGGCTCCCAGGTCTGTCCCCGTGGCCACCACGCTGCCTGCCGCGTAGGCCACGCCGCAGCCAGGGA   497
mus     GCACTGTCCGCAGGGCTGGATTACTCCCCACCCAGTGCCCCCAGGTCAGTCCCCACAGCCAACACGCTGCCCACCCTGTACCCTCCTCCTCAGTCAGGGA   497
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homo    CCCCGGTGTCCCCGTGCAGTACGCTCACCTGCCGCACACCTTCCAGTTCATTGGGTCCTCCCAATACAGTGGAACCTATGCCAGCTTCATCCCATCACA   597
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Consensus                                     cctcagcagggct c gg  t  tca cccggggtcccc cc cca    cccagcagaa

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homo    CACACGCTCACCCTGGGGCCCCCTCCCAGGTCGTCATGCAATACGCCGACTCCGGCAGCCACTTTGTCCCTCGGGAGGCCACCAACAAAAGCTGAGAGCA  1094
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homo    CAAGGCAGGCGGGAAGTCGGTTCCTCACCCGTACGAGTCCAGGCACGTGGTGGTCCACCCGAGCCCCTCAGACTACAGCAGTCGTGATCCTTCGGGGGTC  1294
mus     CAAGGCAAGCAGTAAGTCAGTGCCTCATCCCTATGAGTCCAGGCATGTGGTGGTCCACCCAAGCCCAGCAGACTACAGCAGTCGTGATACCTCCGGGGTC  1225
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homo    ACAAAAGTGGCCTGCATTTAGGGAAGCCTGGCCACCGGTCGTACGCGCTCTCACCCCACACGGTCATTCAGACCACACACAGTGCTTCAGAGCCACTCCC  1494
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homo    CCCCAGCACCTGGTGATCCCCGGGACACAGCCCCTGCTCATCCCGGTCGGCAGCACTGACATGGAAGCCTCGGGGGCAGCCCCGGCCATAGTCACGTCAT  1694
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homo    AGCCATGGTGCAGGCCCAGATCCACCTGCCTGTGGTGCAGTCCGTGGCCTCCCCGGCGGCGGCTCCCCCTACGCTGCCTCCCTACTTCATGAAAGGCTCC  1894
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mus     CCAGTAGTGTGGAGAGAATCGAGGAGAGCCACAGCCCCGGGGTGGCCGTGATACAGTTTGCTGTTGGTGAACACCGAGCCCA                  2007
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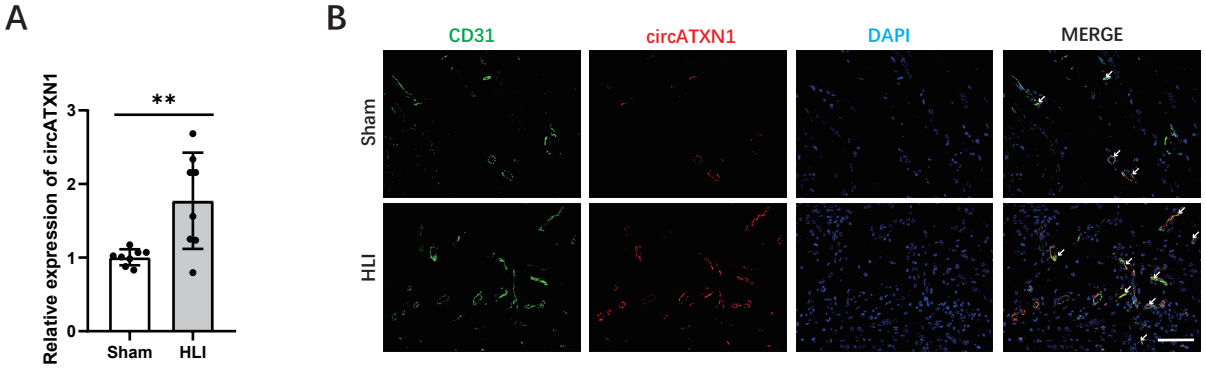
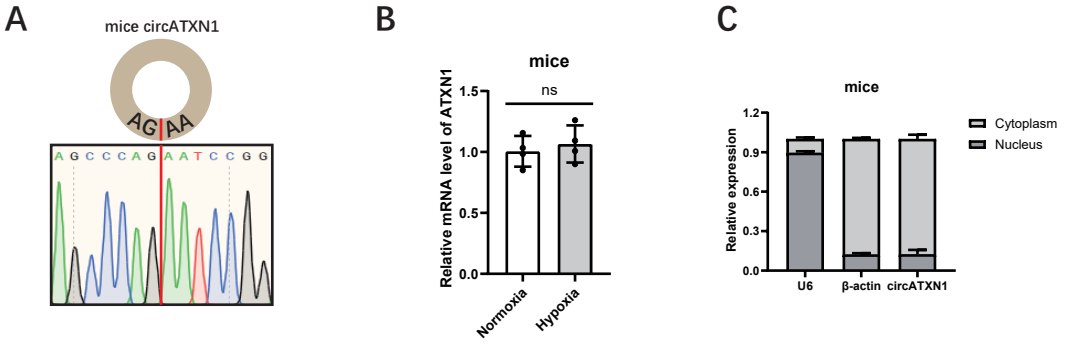
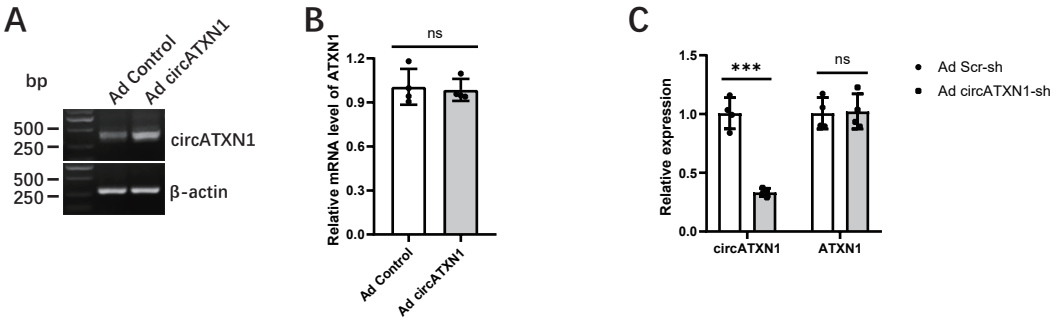
Supplementary Figure 3



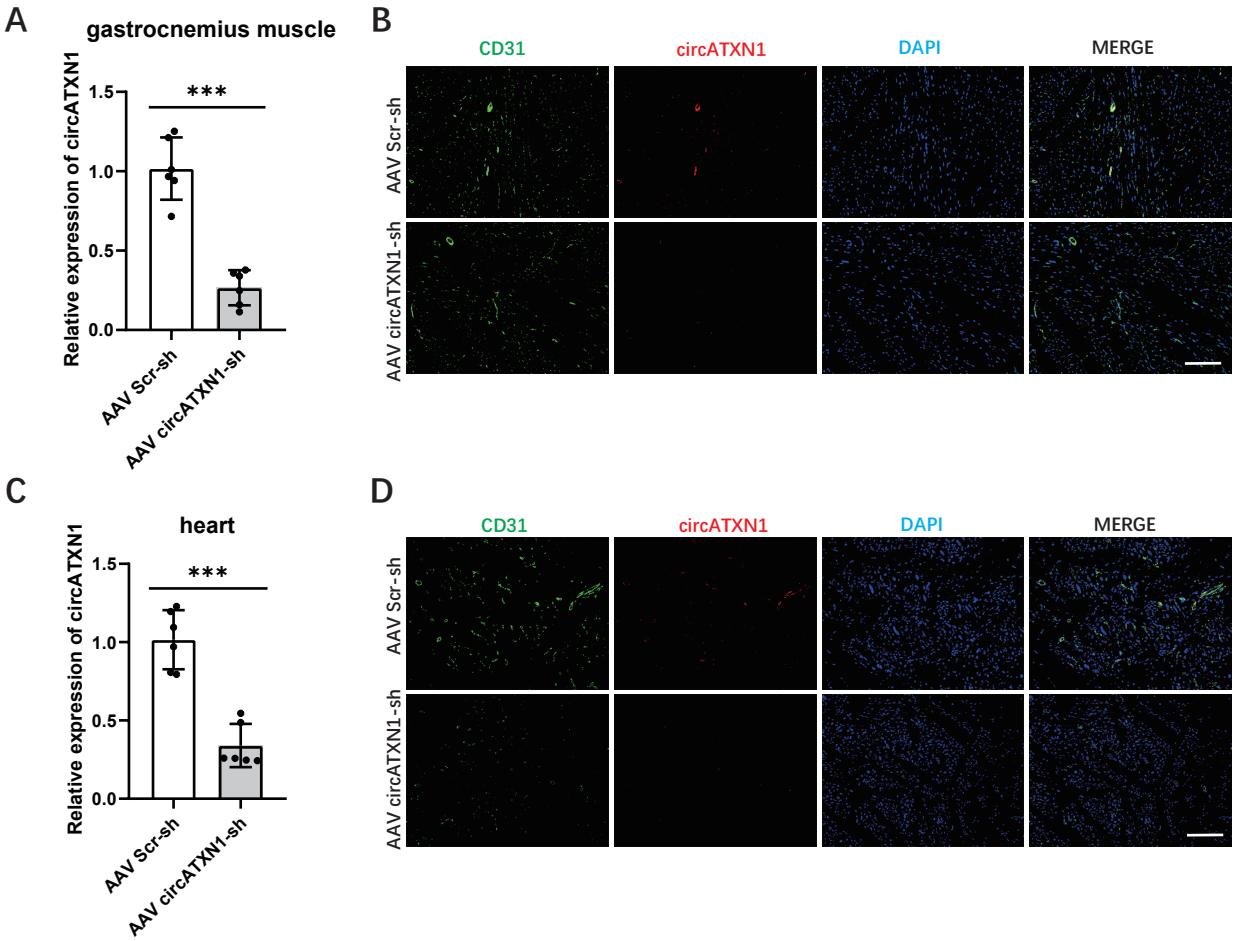
Supplementary Figure 4



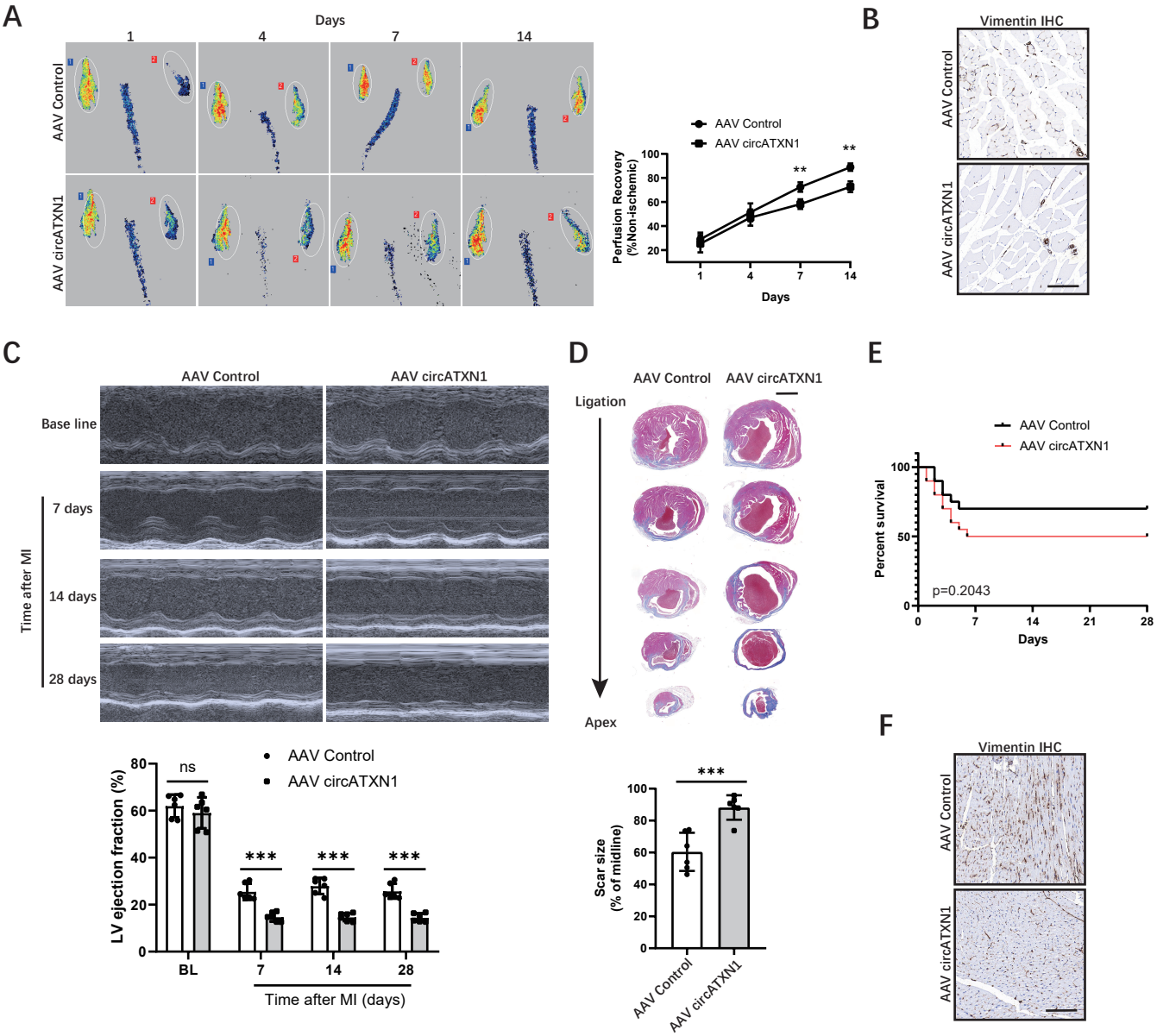
Supplementary Figure 5



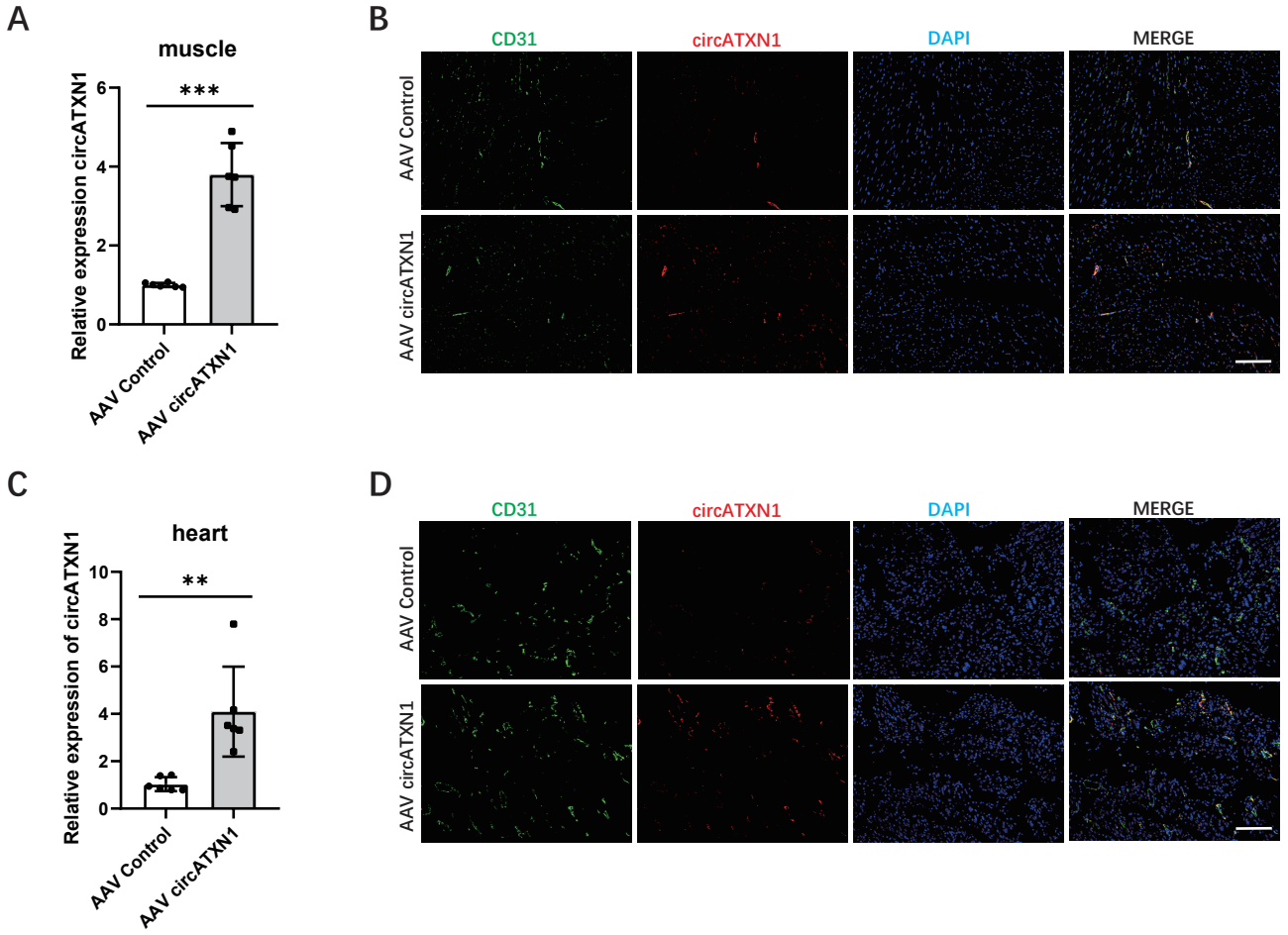
Supplementary Figure 6



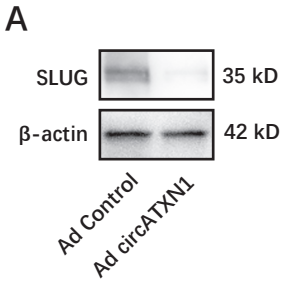
Supplementary Figure 7



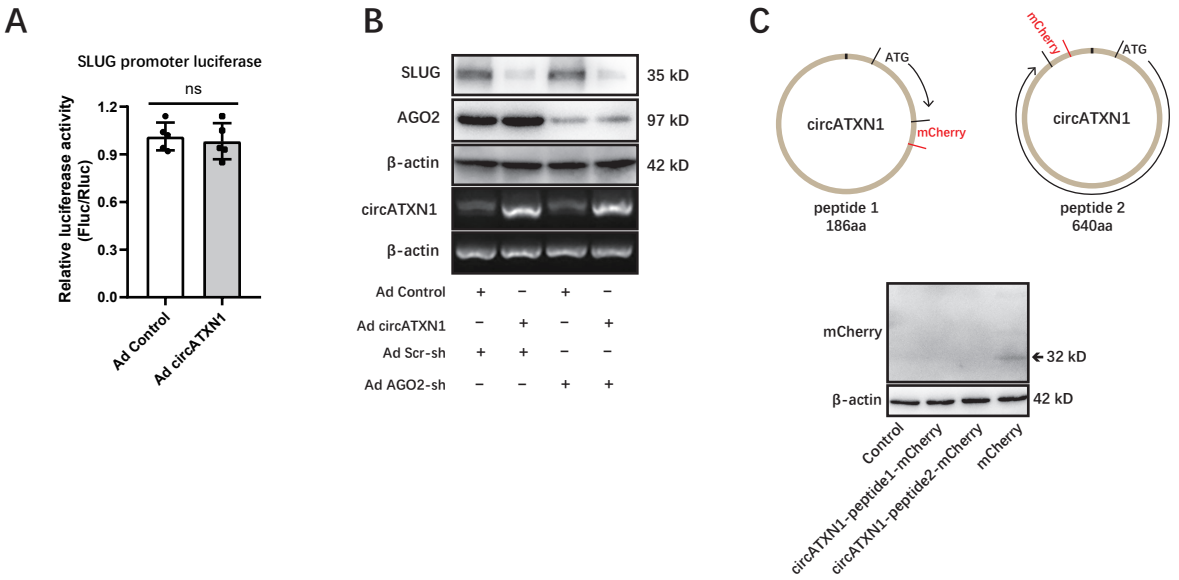
Supplementary Figure 8



Supplementary Figure 9



Supplementary Figure 10



Supplementary Figure 11

A

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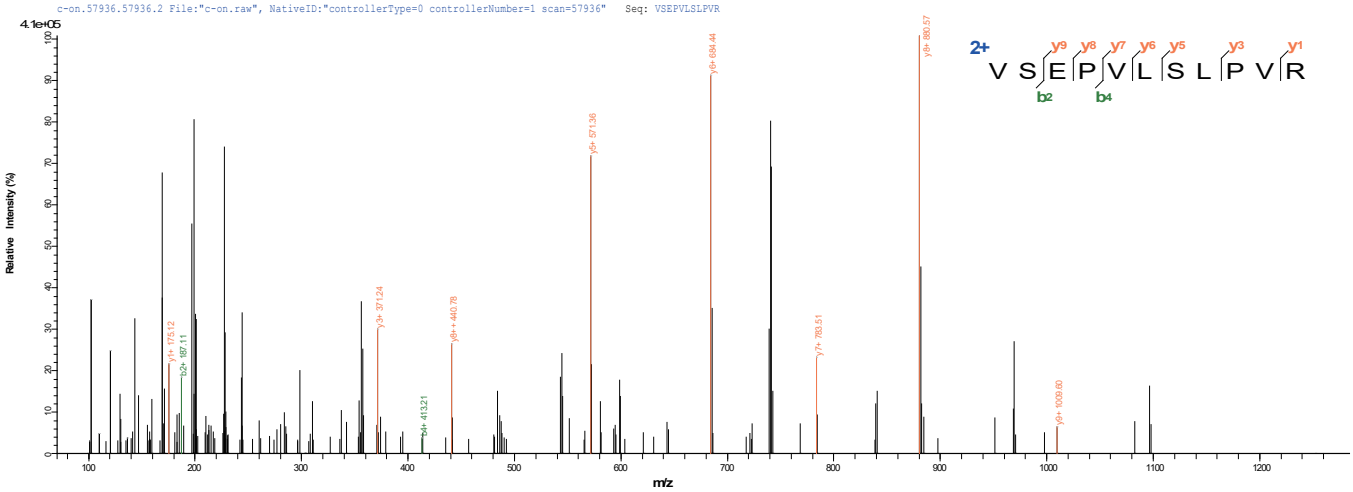
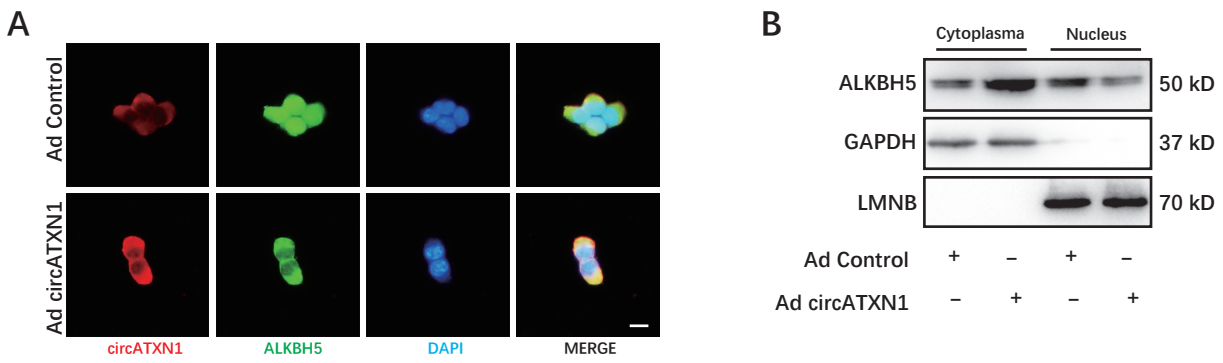


Supplementary Figure 12



Supplementary Figure 13