

1/13

Figure 1

A)

ATGACCATCCTGTTTCTGACAATGGTCATCAGCTACTTCGGCTGCATGAAGGCCGTGAAGATGCACACCAT
GAGCAGCAGCCACCTGTTCTATCTGGCCCTGTGCCTGCTGACCTTTACCAGCTCTGCTACCGCCGGACC
TGAGACACTTTGTGGCGCTGAACTGGTGGACGCCCTGCAGTTTGTGTGTGGCGACAGAGGCTTCT
ACTTCAACAAGCCCACAGGCTACGGCAGCAGCTCTAGAAGGGCTCCTCAGACCGGAATCGTGGAC
GAGTGCTGCTTCAGAAGCTGCGACCTGCGGCGGCTGGAAATGTATTGTGCCCTCTGAAGCCTGC
CAAGAGCGCCTAA

B)

AUGACCAUCCUGUUUCUGACAAUGGUCAUCAGCUACUUCGGCUGCAUGAAGGCCGUGAAGAUGCACA
CCAUGAGCAGCAGCCACCUGUUCUAUCUGGCCCUGUGCCUGCUGACCUUUACCAGCUCUGCUACCGCC
GGACCUGAGACACUUUGUGGCGCUGAACUGGUGGACGCCCUGCAGUUUGUGUGUGGCGACAGAGGCU
UCUACUUCAACAAGCCCACAGGCUACGGCAGCAGCUCUAGAAGGGCUCCUCAGACCGGAAUCGUGGA
CGAGUGCUGCUUCAGAAGCUGCGACCUGCGGCGGCUGGAAUUGUAUUGUGCCCCUCUGAAGCCUGCC
AAGAGCGCCUAA

2/13

Figure 2A)

CTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTGTAAATCAGCTCATTTTTTA
ACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGACCGAGATAGGGTTGAGTGGC
CGCTACAGGGCGCTCCCATTCGCCATTCAGGCTGCGCAACTGTTGGGAAGGGCGTTTCGGTGCGGGCCT
CTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTAAAGTTGGGTAAACGCCAGGG
TTTTCCAGTCAAGACGTTGTAAAACGACGGCCAGTGAGCGCGACGTAATACGACTCACTATAGGGCG
AATTGGCGGAAGGCCGTCAAGGCCACGTGTCTTGTCCAGAGCTCGGATCCGCCACCATGACCATCCTG
TTTCTGACAATGGTCATCAGCTACTTCGGCTGCATGAAGGCCGTGAAGATGCACACCATGAGCAG
CAGCCACCTGTTCTATCTGGCCCTGTGCCTGCTGACCTTTACCAGCTCTGCTACCGCCGGACCTGA
GACACTTTGTGGCGCTGAACTGGTGGACGCCCTGCAGTTTGTGTGTGGCGACAGAGGCTTCTACT
TCAACAAGCCACAGGCTACGGCAGCAGCTCTAGAAGGGCTCCTCAGACCGGAATCGTGGACGAG
TGCTGCTTCAGAAGCTGCGACCTGCGGCGGCTGGAAATGTATTGTGCCCTCTGAAGCCTGCCAA
GAGCGCTAAGAATTTCGGTACCTGGAGCACAAGACTGGCCTCATGGGCCCTCCGCTCACTGCCCGCTT
TCCAGTCGGGAAACCTGTCTGCCAGCTGCATTAACATGGTCATAGCTGTTTCCTTGGCTATTGGGCG
CTCTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCTGTTTCGGGTAAAGCCTGGGGTGCTAATGAG
CAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGC
CCCCCTGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAG
ATACCAGGCGTTTTCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCTGCCGCTTACCGGATA
CCTGTCCGCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTC
GGTGTAGGTCGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCGTTACGCCCACCGCTGCGCCTT
ATCCGTAACATATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTG
GTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCCTGAAGTGGTGGCCTAACTAC
GGCTACACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGT
TGGTAGCTCTTGATCCGGCAAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTTGTTTGCAAGCAGCAGA
TTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGG
AACGAAAACTCACGTTAAGGGATTTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCTTTT
AAATTAAAAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAACTTGGTCTGACAGTTACCAA
TGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCC
GTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGA
ACCACGCTCACCGGCTCCAGATTTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTG
GTCCTGCAACTTTATCCGCTCCATCCAGTCTATTAATTGTTGCCGGAAGCTAGAGTAAGTAGTTTCG
CCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTACGCTCGTCGTTTGG
TATGGCTTCATTAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAA
AAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTGAGAAGTAAGTTGGCCGAGTGTTATCACTCATG
GTTATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGA
GTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAATAC
GGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGA
AACTCTCAAGGATCTTACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATC
TTCAGCATCTTTTACTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAA
AGGGAATAAGGGCGACACGAAATGTTGAATACTCATACTCTTCCTTTTCAATATTATTGAAGCATT
TATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGG
TTCCGCGCACATTTCCCCGAAAAGTGCCAC

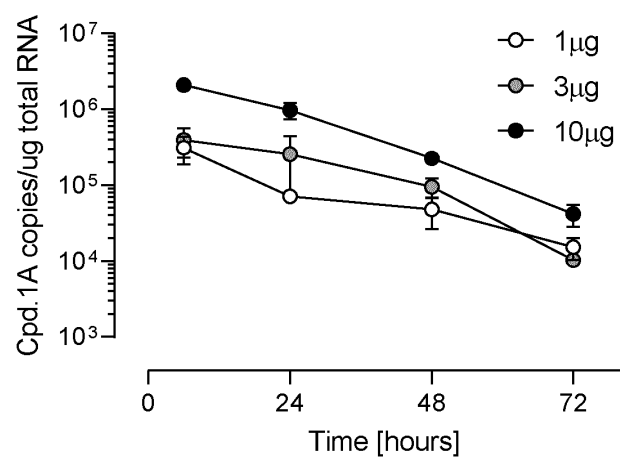
3/13

Figure 2B)

CTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTTGTAAATCAGCTCATTTTTTA
ACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAAGAATAGACCGAGATAGGGTTGAGTGGC
CGCTACAGGGCGCTCCCATTCGCCATTACGGCTGCGCAACTGTTGGGAAGGGCGTTTCGGTGCGGGCCT
CTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTAAAGTTGGGTAAACGCCAGGG
TTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTGAGCGCGACGTAATACGACTCACTATAGGGCG
AATTGAAGGAAGGCCGTCAGGCGCGCATGTCTTGTCCAGAGCTCGGATCCGCCACC**ATGACCATCCTG**
TTTCTGACAATGGTCATCAGCTACTTCGGCTGCATGAAGGCCGTGAAGATGCACACCATGAGCAG
CAGCCACCTGTTCTATCTGGCCCTGTGCCTGCTGACCTTTACCAGCTCTGCTACCGCCGGACCTGA
GACACTTTGTGGCGCTGAACTGGTGGACGCCCTGCAGTTTGTGTGTGGCGACAGAGGCTTCTACT
TCAACAAGCCCACAGGCTACGGCAGCAGCTCTAGAAGGGCTCCTCAGACCGGAATCGTGGACGAG
TGCTGCTTCAGAAGCTGCGACCTGCGGCGGCTGGAAATGTATTGTGCCCTCTGAAGCCTGCCAA
GAGCGCCTAAGAATTCGGTACCTGGAGCACAAGACTGGCCTCATGGGCCTTCGGTCACTGCCCGCTT
TCCAGTCGGGAAACCTGTCTGTGCCAGCTGCATTAACATGGTCATAGCTGAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAGGCTCTTCCTGGGCCTCATGGGCCT
TCCTTCACTGCCCGCTTTCAGTCGGGAAACCTGTCTGTGCCAGCTGCATTAACATGGTCATAGCTGTT
TCCTTGCGTATTGGGCGCTCTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTGCTTCGGGTAAAGC
CTGGGGTGCTAATGAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGT
TTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAAC
CCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCCTGTTCCGACC
CTGCCGCTTACCGGATACCTGTCCGCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGC
TGTAGGTATCTCAGTTCGGTGAGGTGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCGTTTCAG
CCCGACCGCTGCGCCTTATCCGGTAACATATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCA
CTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAA
GTGGTGGCCTAACTACGGCTACACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTA
CCTTCGAAAAAGAGTTGGTAGCTCTTGATCCGGCAACAAACCACCGCTGGTAGCGGTGGTTTTTTTT
GTTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTCTACGGG
GTCTGACGCTCAGTGGAACGAAAACTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCT
TCACCTAGATCCTTTTAAATTAATAATGAAGTTTTAAATCAATCTAAAGTATATAGAGTAAACTTG
GTCTGACAGTTATTAGAAAAATTCATCCAGCAGACGATAAAACGCAATACGCTGGGTATCCGGTGCCG
CAATGCCATACAGCACCAGAAAAACGATCCGCCATTTCGCCGCCAGTTCTTCGCAATATCACGGGTGG
CCAGCGCAATATCCTGATAACGATCCGCCACGCCAGACGGCCGAATCAATAAAGCCGCTAAAACGG
CCATTTTCCACCATAATGTTTCGGCAGGCACGCATCACCATGGGTCAACCACAGATCTTCGCCATCCGGC
ATGCTCGCTTTCAGACGCGCAAACAGCTCTGCCGGTGCCAGGCCCTGATGTTCTTCATCCAGATCATCC
TGATCCACCAGGCCCCGCTTCATACGGGTACGCGCAGGTTCAATACGATGTTTCGCTGATGATCAAAAC
GGACAGGTGCGCCGGTCCAGGGTATGCAGACGACGATGGCATCCGCCATAATGCTCACTTTTTCTGCC
GGCGCCAGATGGCTAGACAGCAGATCCTGACCCGGCACTTCGCCAGCAGCAGCCAATCACGGCCCGCT
TCGCTACCCACATCCAGCACCGCCGCACACGGAACACCGGTGGTGGCCAGCCAGCTCAGACGCGCCGCT
TCATCCTGCAGCTCGTTCAGCGCACCGCTCAGATCGGTTTTTCAAAACAGCACCGGACGACCCTGCGCG
CTCAGACGAAACACCGCCGCATCAGAGCAGCCAATGGTCTGCTGCGCCAATCATAGCCAAACAGACG
TTCCACCCACGCTGCCGGGCTACCCGCATGCAGGCCATCCTGTTCAATCATACTCTTCCTTTTTCAATA
TTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAAT
AAACAAATAGGGGTTCGCGGCACATTTCCCCGAAAAGTGCCAC

4/13

Figure 3



5/13

Figure 4

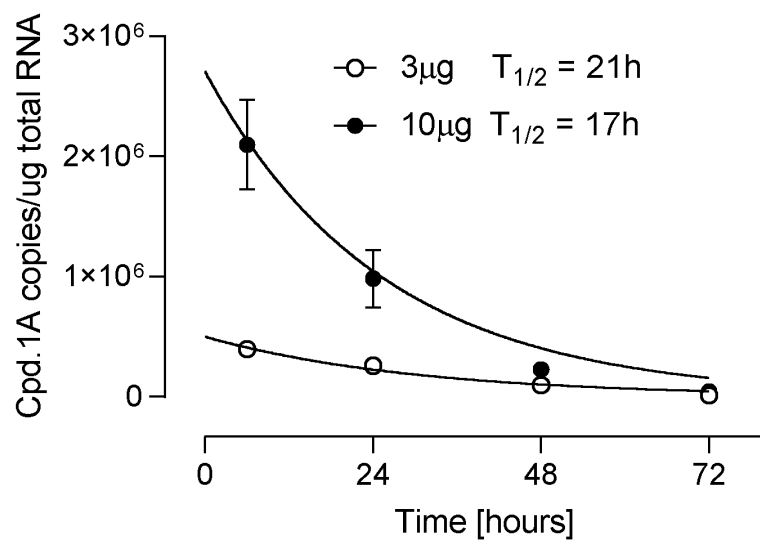
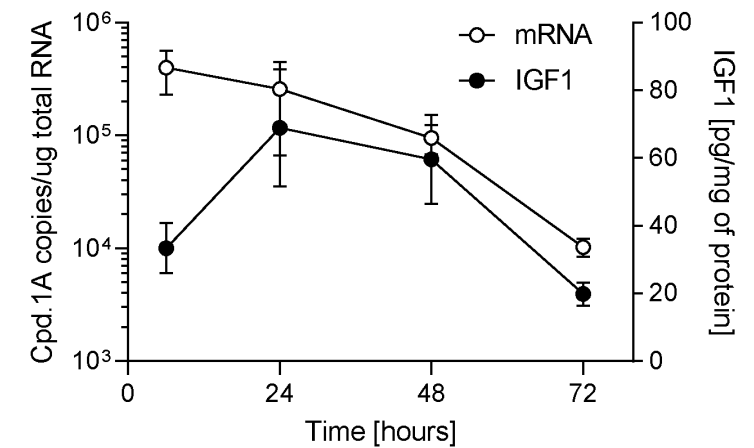
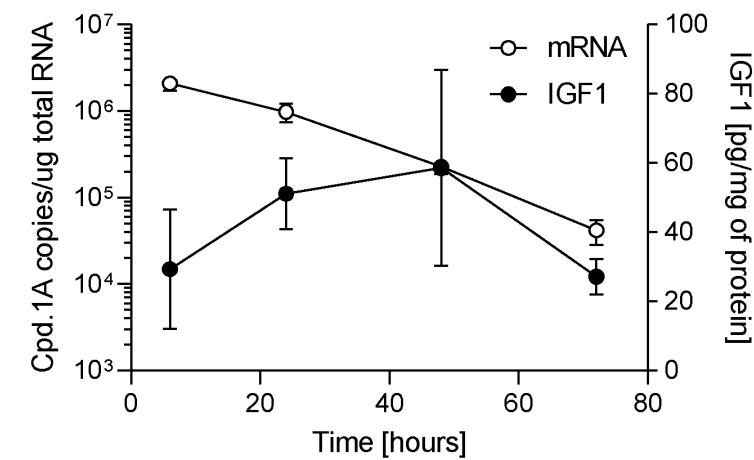


Figure 5

A



B



7/13

Figure 6

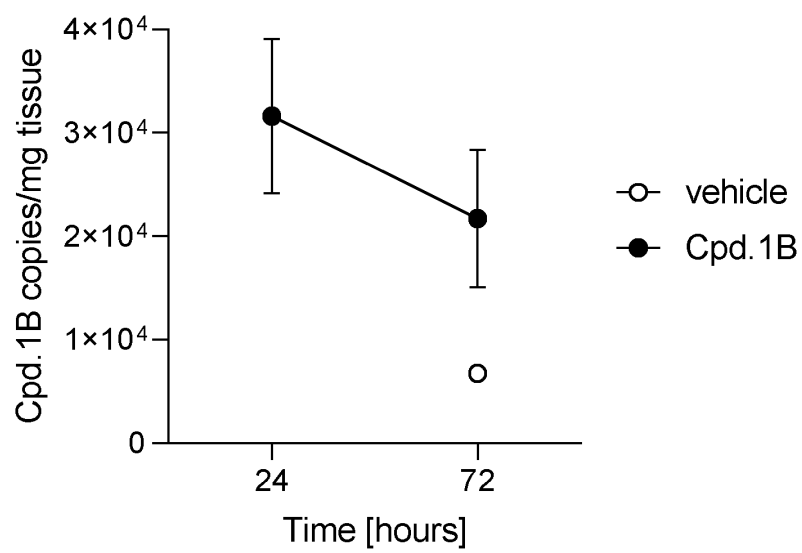
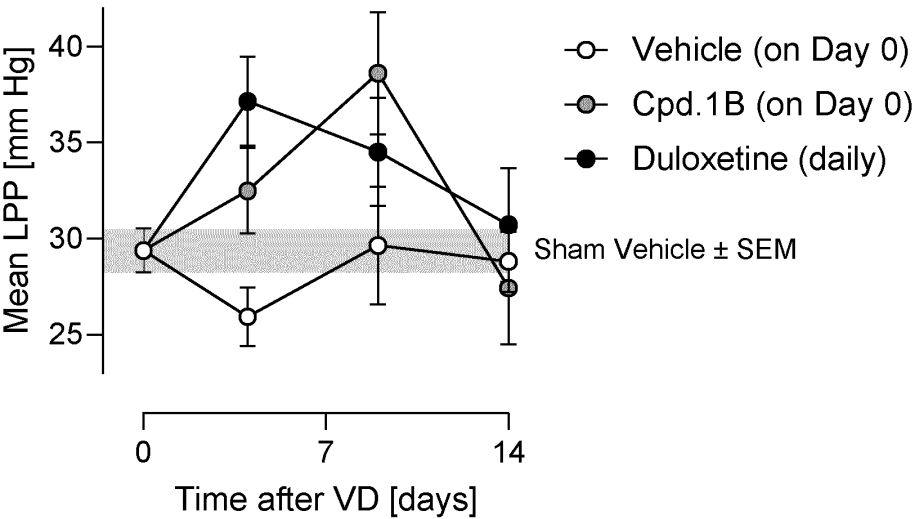


Figure 7



9/13

Figure 8

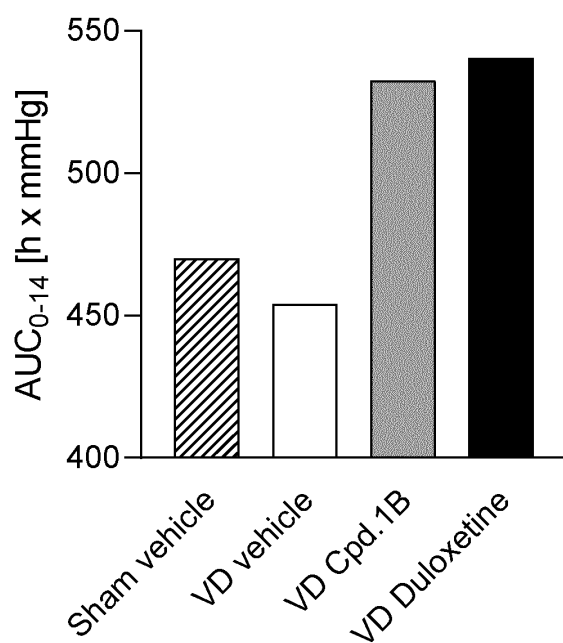
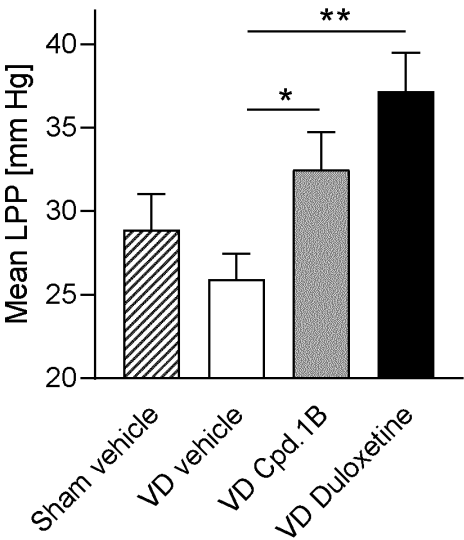
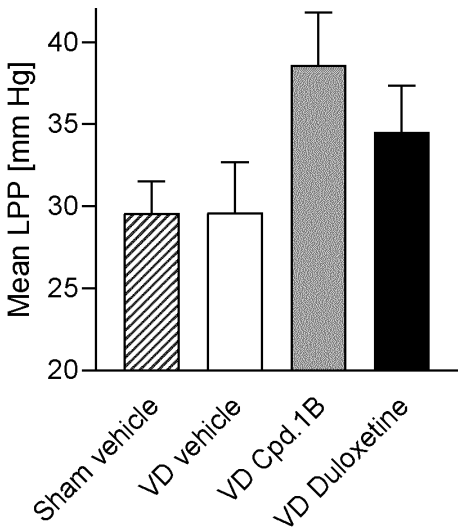


Figure 9

A

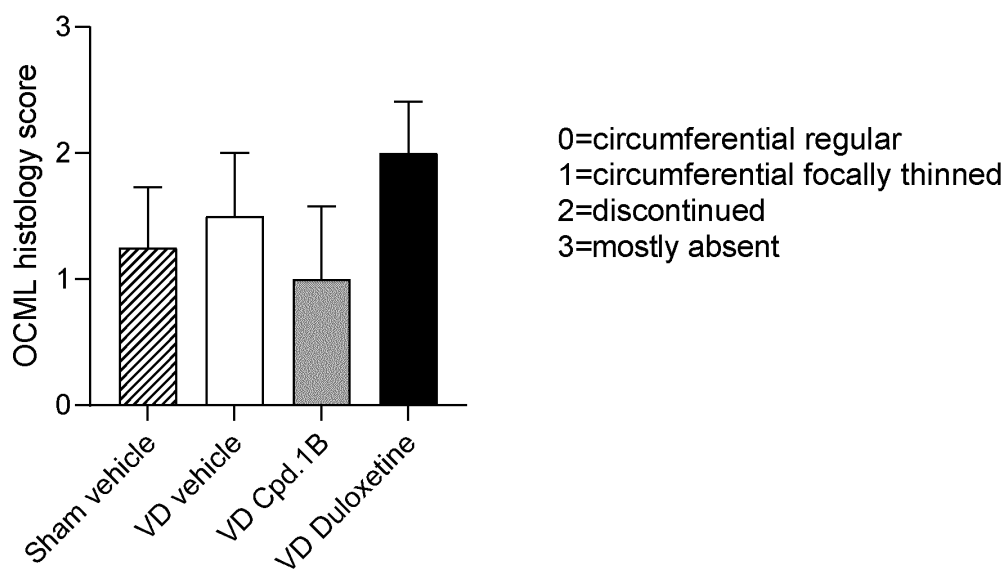


B



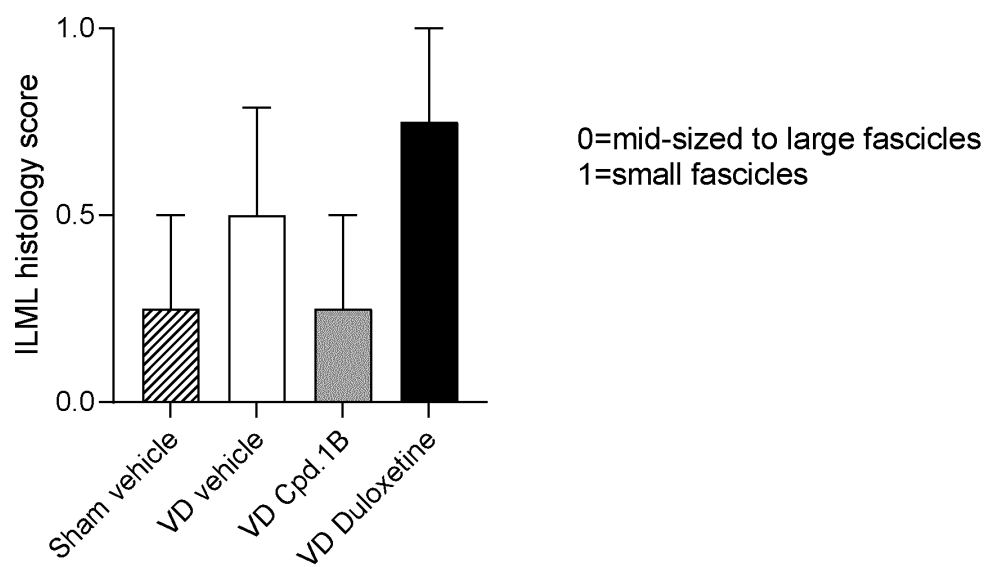
11/13

Figure 10



12/13

Figure 11



13/13

Figure 12

