**Additional File 4.** Serotransferrin Precursor protein sequence.

Equus Caballus; GenBank Accession # NP\_001075415. Shaded areas are peptides that were identified with LC-MS/MS proteomic analysis. () – peptide that was not present in control horses; [] – peptide that was not present in heaves-affected horses.

mrlairalla cavlglclae qtvrwctvsn hevskcasfr dsmksivpap plvacvkrts

ylecikaiad neadavtlda glvfeaglsp ynlkpvvaef ygs(ktepqth yyavavvkk)n

snfqlnqlqg k[kschtglgr s]agwnipigl lywqlpepre slqkavsnff agscvpcadr

tavpnlcqlc vgkgtdkcac snhepyfgys gafkcladga gdvafvkhst vlenlpqead

rdeyqllcrd ntrksvdeyk dcylasipsh avvarsvdgk edliwgllnq aqehfgteks

kdfhlfssph gkdllfkdsa lgflrippam dtwlylgyey vtairnlred irpevpkdec

kkvkwcaigh hekvkcdews vnsggniece saqstedcia kivkgeadam sldggfiyia

gkcglvpvla enyetrsgsa cvdtpeegyh avavvksssd pdltwnslkg kkschtgvdr

tagwnipmgl lyseikhcef dkffregcap gyrrnstlcn lcigsasgpg recepnnher

yygytgafrc lvekgdvafv khqtveqntd grnpddwakd lksenfkllc pdgtrksvte

fkscylarap nhavvsrkek aacvcqelhn qqasygkngs hcpdkfclfq satkdllfrd

dtqclanlqp tttyktylge kyltavanlr qcstsrllea ctfhrv