## HF-Increased Genes: Significant GO Biological Process Terms (Males)

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    defense response to Gram-positive bacterium (129, A, B6, BALB, C3H, CAST, I, NZB, PERA, SM)
    defense response to Gram-negative bacterium (129, A, B6, BALB, C3H, CAST, I, NZB, PERA, SM)

    defense response to Gram-negative bacterium (129, A, B6, BALB, C)
    response to bacterium (B6, BALB, C3H, CAST, NZB, PERA)
    response to other organism (129, A, BALB, C3H, I, NZB, PERA, SM)
    defense response (129, BALB, CAST, I, NZB, PERA, SM)
    blood coagulation (129, A, B6, C3H, I, NZB, PERA, SM)
    platelet activation (129, A, C3H, CAST, NZB, PERA, SM)
    inflammatory response (129, A, B6, C3H, CAST, NZB, PERA, SM)
    response to wounding (A, B6, BALB, C3H, I, NZB, PERA)
    neutrophil chemotaxis (129, A, BALB, C3H, CAST, NZB, PERA, SM)
    chemotaxis (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
    immune response activating cell surface recentor signaling pathway

   → immune response–activating cell surface receptor signaling pathway (129, A, C3H, CAST, NZB, PERA)
→ activation of immune response (129, A, B6, C3H, CAST, NZB, PERA)
positive regulation of immune response (A, B6, BALB, C3H, CAST, NZB, SM)

positive regulation of type IIa hypersensitivity (129, A, C3H, CAST, NZB, PERA, SM)

positive regulation of type II hypersensitivity (129, A, C3H, CAST, NZB, PERA, SM)

regulation of type II hypersensitivity (129, A, C3H, CAST, NZB, PERA, SM)

regulation of type II hypersensitivity (129, A, C3H, CAST, NZB, PERA, SM)

positive regulation of acute inflammatory response to antigenic stimulus (129, A, C3H, CAST, NZB, PERA)
  → positive regulation of B cell mediated immunity (129, A, C3H, CAST, NZB, PERA)
→ positive regulation of inflammatory response (129, A, C3H, CAST, I, NZB, PERA, SM)
   • immune response–regulating signal transduction (129, A, C3H, CAST, NZB, PERA)
• regulation of defense response (A, C3H, CAST, NZB, PERA, SM)

regulation of response to external stimulus (129, A, C3H, CAST, I, SM)
positive regulation of immune system process (129, A, C3H, CAST, NZB, PERA)
innate immune response (A, B6, C3H, CAST, NZB, PERA)

     regulation of response to stimulus (A, B6, BALB, C3H, CAST, NZB) immunoglobulin mediated immune response (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
      lymphocyte mediated immunity (129, A, B6, BALB, C3H, CAST, PERA, SM)
      adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains (129, A, B6, BALB, C3H, CAST, PERA, SM)
     immune effector process (129, A, B6, BALB, C3H, PERA, SM) immune response (129, A, BALB, C3H, CAST, NZB, PERA, SM) locomotory behavior (129, A, BALB, C3H, CAST, NZB, PERA)

    response to external stimulus (129, BALB, C3H, CAST, NZB, SM)

    regulation of body fluid levels (129, A, C3H, NZB, PERA, SM)
    regulation of cellular component size (129, A, BALB, C3H, CAST, NZB, SM)
    activated T cell proliferation (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
    mast cell activation (129, A, C3H, CAST, NZB, PERA, SM)

negative thymic T cell selection (129, A, C3H, CAST, NZB, PERA)
positive thymic T cell selection (129, A, C3H, CAST, NZB, PERA, SM)
  → T cell selection (129, A, C3H, CAST, NZB, PERA, SM)
positive regulation of T cell differentiation (129, A, BALB, C3H, CAST, NZB, PERA, SM) regulation of lymphocyte differentiation (129, A, BALB, C3H, CAST, NZB, PERA, SM)

    myeloid dendritic cell differentiation (129, C3H, CAST, NZB, PERA, SM)

      leukocyte differentiation (129, A, C3H, CAST, NZB, PERA)

    hemopoietic or lymphoid organ development (129, A, C3H, CAST, NZB, PERA)
    cell death (129, A, C3H, NZB, PERA, SM)
    regulation of cytokine production (A, B6, BALB, C3H, CAST, NZB, PERA)

    positive regulation of tumor necrosis factor production (129, A, C3H, CAST, NZB, PERA, SM)
    negative regulation of coagulation (129, A, B6, BALB, CAST, I, NZB, PERA, SM)

   regulation of cell shape (A, C3H, CAST, NZB, PERA, SM)

    positive regulation of cell differentiation (129, A, C3H, CAST, NZB, PERA, SM)

      positive regulation of cellular component organization and biogenesis (129, B6, C3H, CAST, NZB, PERA)

    negative regulation of cytoskeleton organization and biogenesis (B6, BALB, C3H, CAST, NZB, PERA, SM)
    regulation of actin cytoskeleton organization and biogenesis (129, A, BALB, C3H, CAST, NZB, SM)

 resequestering of actin monomers (129, B6, C3H, CAST, NZB, PERA, SM)
regulation of actin filament polymerization (129, A, B6, C3H, CAST, NZB, PERA) regulation of actin polymerization and/or depolymerization (129, A, BALB, C3H, CAST, NZB, SM)
   → negative regulation of protein polymerization (129, B6, C3H, CAST, PERA, SM)

    regulation of cellular component organization and biogenesis (129, A, C3H, CAST, NZB, PERA, SM)
    regulation of T cell activation (129, A, C3H, CAST, NZB, PERA)

    → positive regulation of lymphocyte activation (129, A, BALB, C3H, CAST, NZB, PERA)
    → regulation of leukocyte activation (129, A, B6, C3H, CAST, NZB, PERA)
    → positive regulation of cell activation (129, A, BALB, C3H, CAST, NZB, PERA)

    • actin filament organization (A, C3H, CAST, NZB, PERA, SM)
• actin cytoskeleton organization and biogenesis (129, A, C3H, CAST, NZB, PERA, SM)
• cytoskeleton organization and biogenesis (129, A, C3H, CAST, NZB, PERA)

    → membrane organization and biogenesis (129, A, B6, C3H, CAST, NZB, PERA)
    → collagen fibril organization (A, B6, BALB, C3H, I, SM)
    → sphingolipid metabolic process (129, A, B6, C3H, MRL, NZB, PERA)
    → cellular lipid metabolic process (129, A, B6, C3H, CAST, I)
    → 'de novo' protein folding (129, A, C3H, CAST, NZB, PERA)
    → chaparage sefector, dependent protein folding (120, A, C3H, CAST, NZB, PERA)

     chaperone cofactor-dependent protein folding (129, A, C3H, CAST, NZB, PERA) heterophilic cell adhesion (129, B6, BALB, C3H, CAST, I, NZB)

leukocyte adhesion (129, B6, C3H, CAST, NZB, PERA, SM)
cell adhesion (129, A, B6, BALB, C3H, CAST, I, NZB, SM)

    reverse cholesterol transport (129, A, C3H, CAST, PERA, SM)

     phospholipid transport (129, B6, C3H, CAST, I, MRL, NZB, PERA, SM) phagocytosis, recognition (129, A, B6, BALB, C3H, CAST, NZB, PERA) phagocytosis, engulfment (129, A, B6, BALB, C3H, CAST, MRL, NZB, PERA, SM)
   → regulation of endocytosis (129, B6, BALB, C3H, CAST, NZB, PERA)

    positive regulation of phagocytosis (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
    endocytosis (129, A, C3H, CAST, NZB, SM)

    actin filament-based movement (A, C3H, CAST, NZB, PERA, SM)
    anion transport (129, A, B6, BALB, C3H, CAST)

     phosphate transport (129, A, B6, BALB, C3H, CAST, NZB) lipid transport (B6, C3H, CAST, DBA, I, SM)

    antigen processing and presentation of peptide antigen (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
    antigen processing and presentation of peptide or polysaccharide antigen via MHC class II (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)

    antigen processing and presentation of exogenous peptide antigen via MHC class I (129, A, C3H, CAST, NZB, PERA, SM)
    antigen processing and presentation of exogenous peptide antigen via MHC class II (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)

    antigen processing and presentation of exogenous antigen (129, A, B6, BALB, C3H, CAST, NZB, PERA, SM)
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