

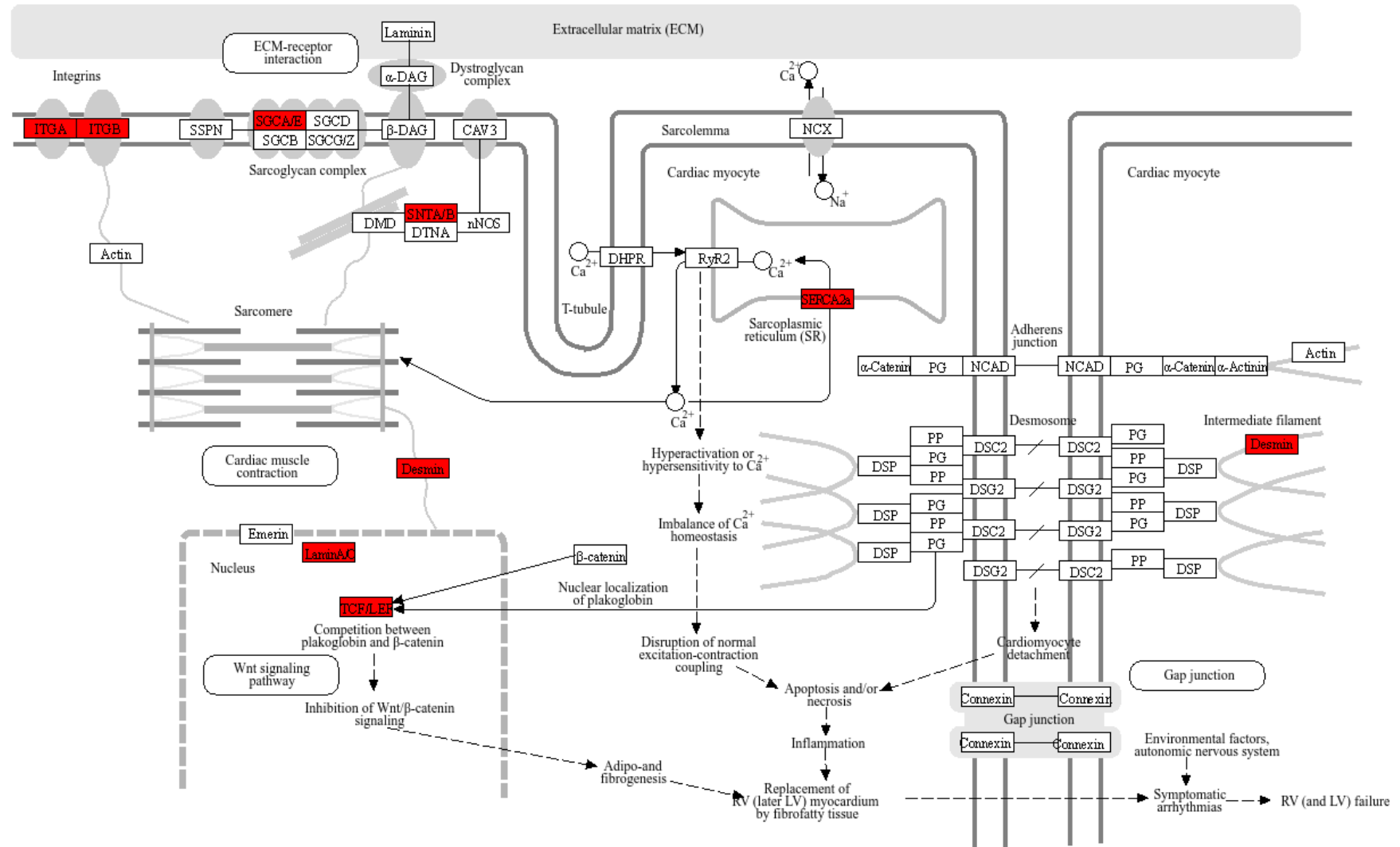
The diagram illustrates the interaction between the Extracellular Matrix (ECM) and various cell surface receptors. It is organized into four main columns, each representing a different receptor family. The ECM components are shown on the left, and the receptor subunits are on the right. Arrows indicate the binding of ECM components to specific receptor subunits.

- Column 1: Integrin VLA proteins**
 - ECM:** Collagen, Laminin, Collagen, Laminin, Chad, Laminin, Reelin, THBS, Collagen, Fibronectin.
 - Integrin VLA proteins:**
 - $\alpha 1 \beta 1$
 - $\alpha 2 \beta 1$
 - $\alpha 3 \beta 1$
 - $\alpha 4 \beta 1$
 - $\alpha 5 \beta 1$
 - $\alpha 6 \beta 1$
 - $\alpha 7 \beta 1$
- Column 2: Integrin VLA proteins**
 - ECM:** Fibronectin, Fibronectin, Tenascin, Ng2, FRAS1, FREM1/2, Tenascin, OPN, Collagen, Laminin, Collagen, Collagen, Collagen.
 - Integrin VLA proteins:**
 - $\alpha 8 \beta 1$
 - $\alpha 9 \beta 1$
 - $\alpha 10 \beta 1$
 - $\alpha 11 \beta 1$
 - $\alpha V \beta 1$
 - Leukocytes proteins:**
 - $\alpha 4 \beta 7$
- Column 3: Integrin Cytoadhesin**
 - ECM:** Vitronectin, Fibronectin, VWF, OPN, BSP, DMP1, MEPE, Tenascin, THBS, Vitronectin, Fibronectin, VWF, THBS, Vitronectin, BSP, OPN, Fibronectin, Tenascin, DSP, Collagen, Fibronectin, Laminin, Fibronectin, Laminin, Laminin.
 - Integrin Cytoadhesin:**
 - $\alpha V \beta 3$
 - $\alpha I b \beta 3$
 - Other combination:**
 - $\alpha V \beta 5$
 - $\alpha V \beta 6$
 - $\alpha V \beta 8$
 - $\alpha 2 \beta 4$
- Column 4: Proteoglycan**
 - ECM:** HA, Collagen, Fibronectin, Laminin, Collagen, Fibronectin, THBS, Tenascin, Laminin, THBS, VWF, Collagen, Laminin, Agrin, Perlecan, THBS, HA.
 - Proteoglycan:**
 - CD44
 - Syndecan
 - SV2
 - CD36
 - GPV
 - GP1b α
 - GP1b β
 - GP1X
 - GPV1
 - $\alpha DG \beta DG$
 - Ig-SF
 - CD47
 - RHAMM

Focal adhesion is indicated between the third and fourth columns.

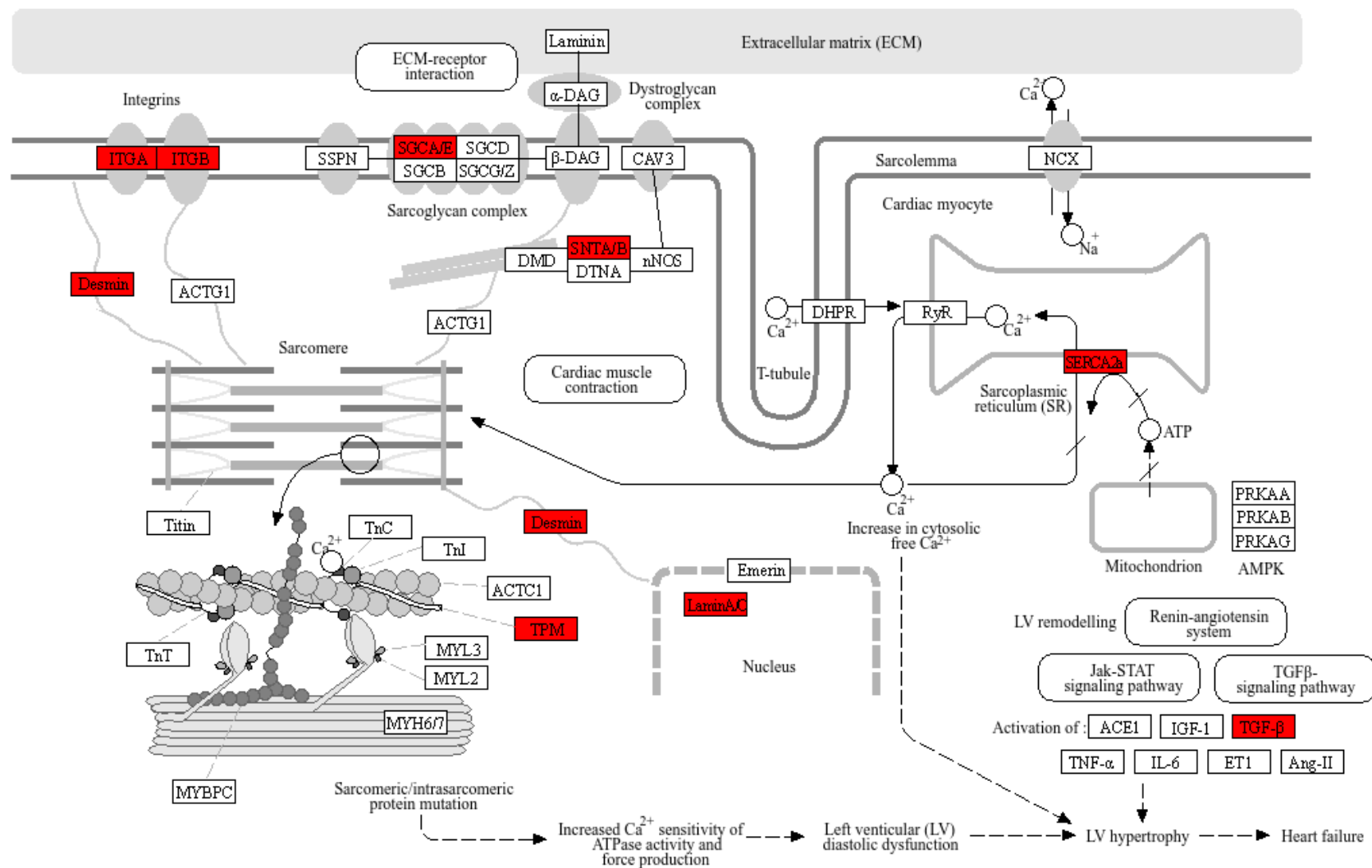
Data on KEGG graph
Rendered by Pathview

ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY



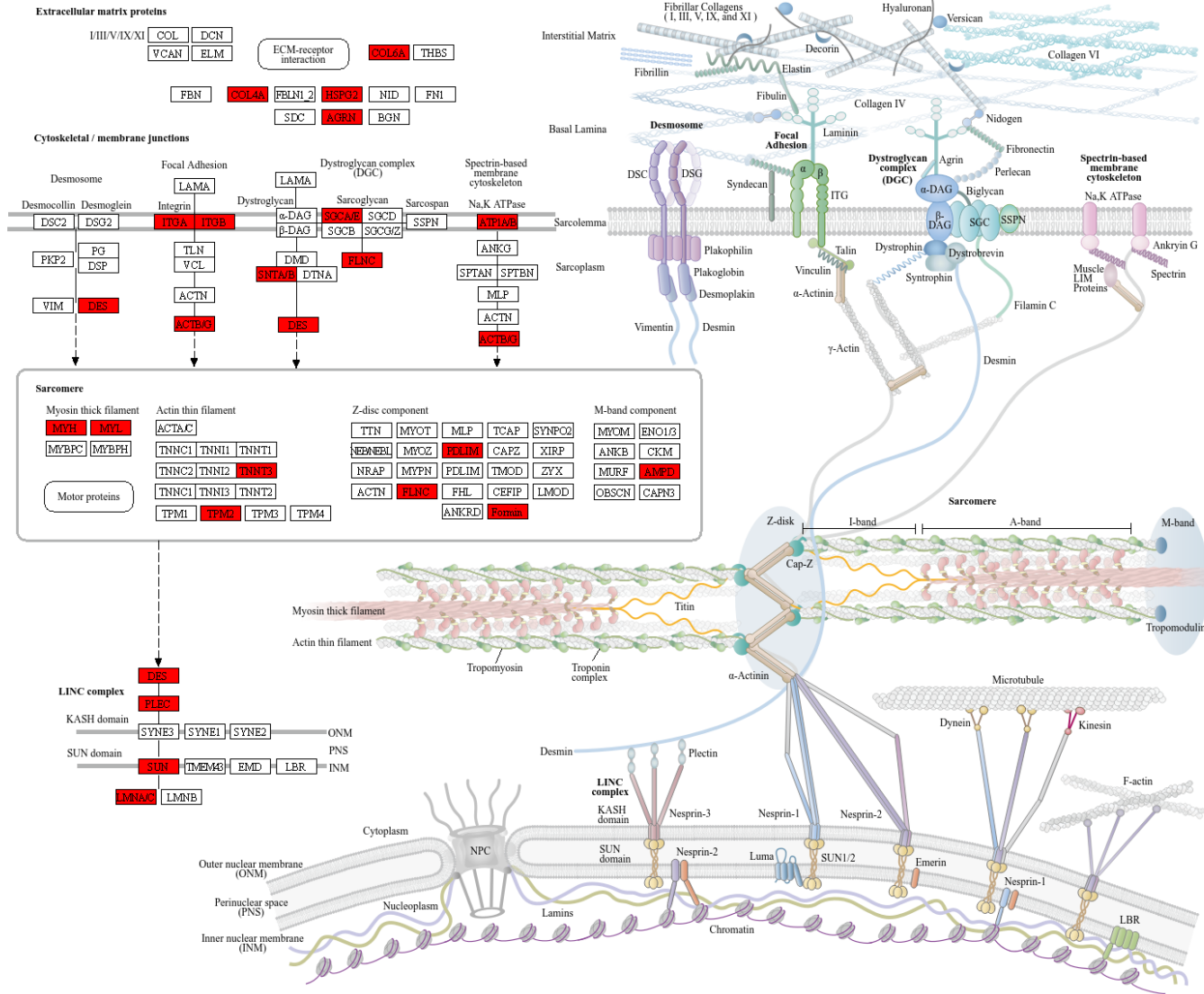
Data on KEGG graph
Rendered by Pathview

HYPERTROPHIC CARDIOMYOPATHY



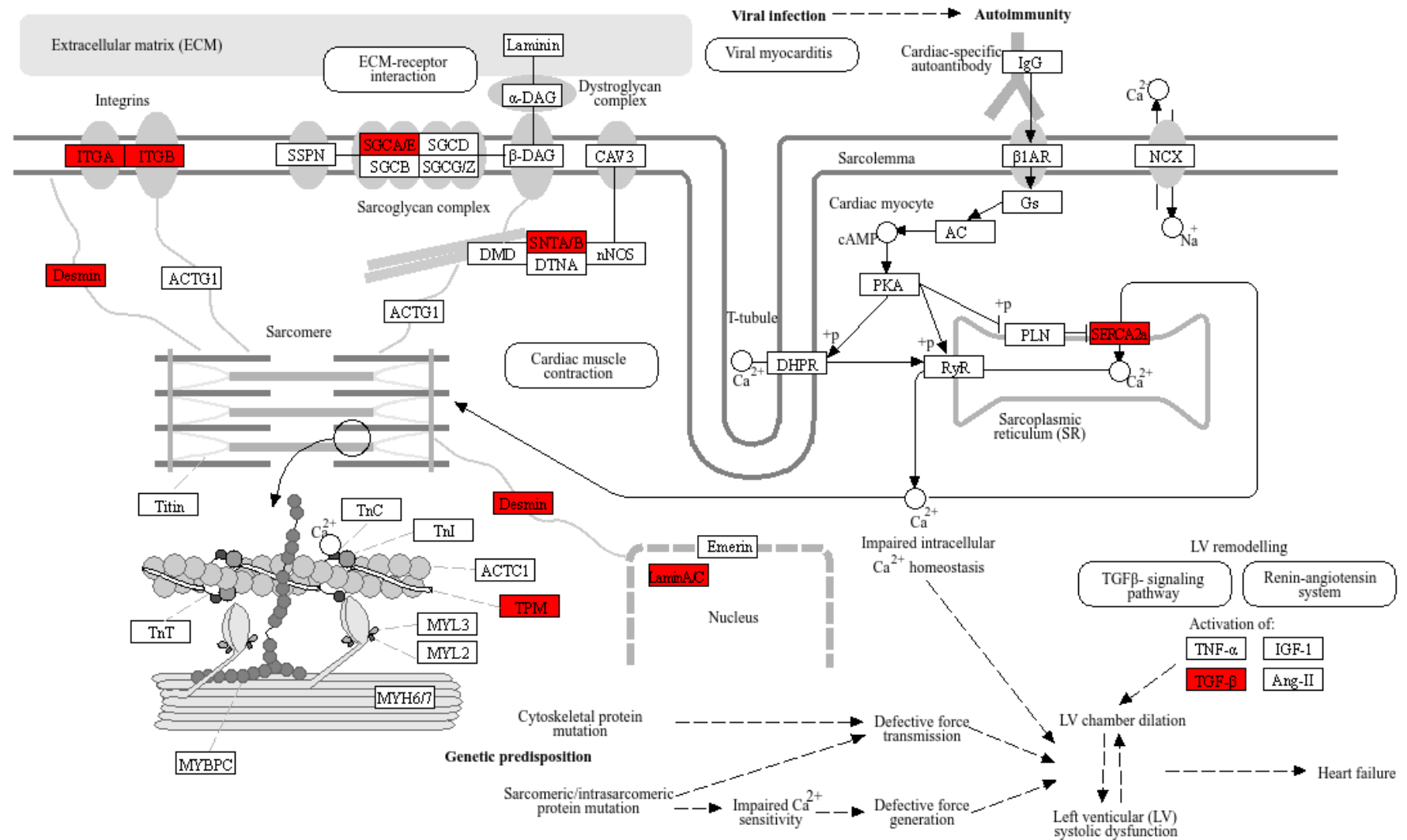
Data on KEGG graph
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CYTOSKELETON IN MUSCLE CELLS



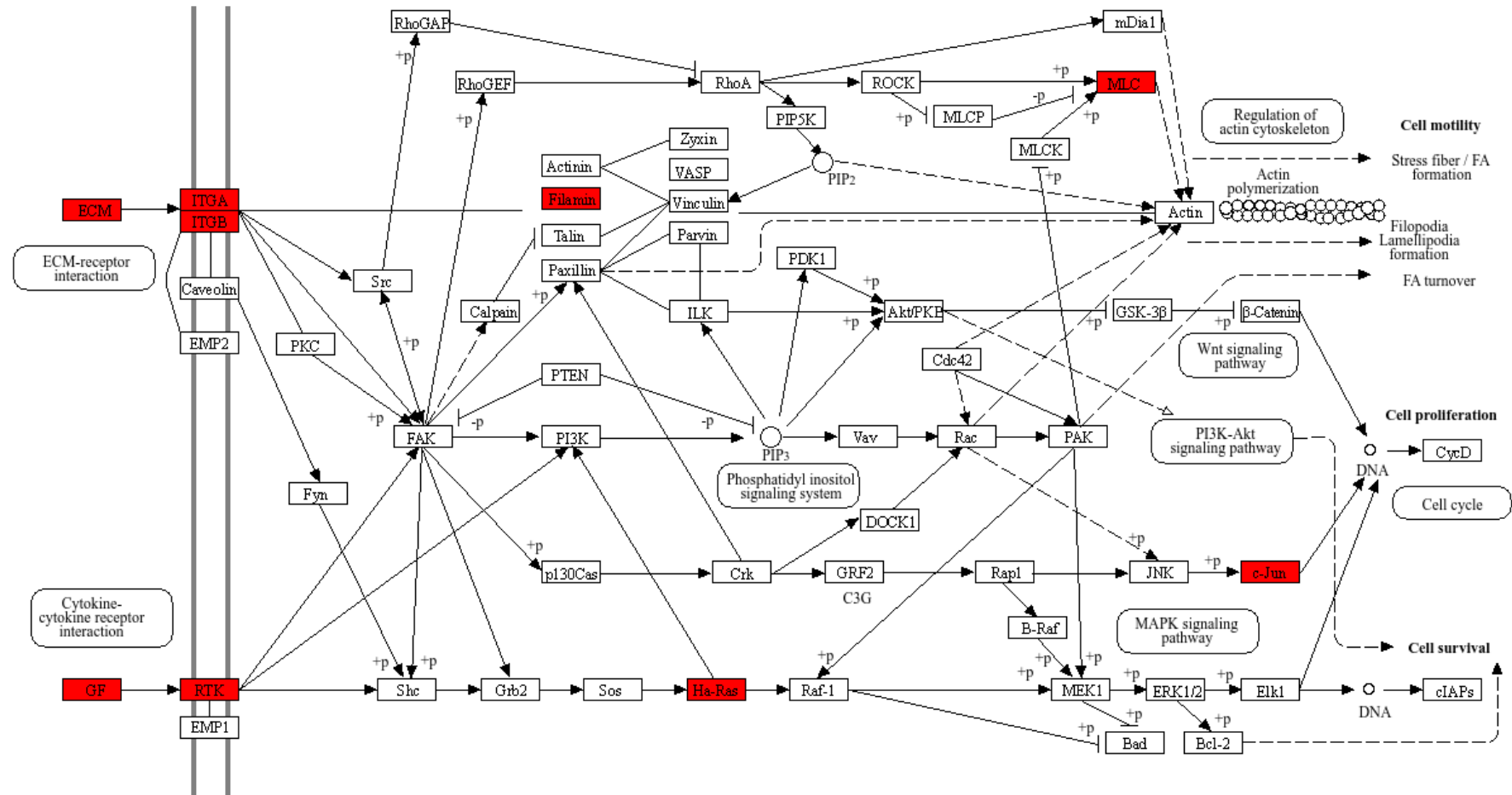
**Data on KEGG graph
Rendered by Pathview**

DILATED CARDIOMYOPATHY



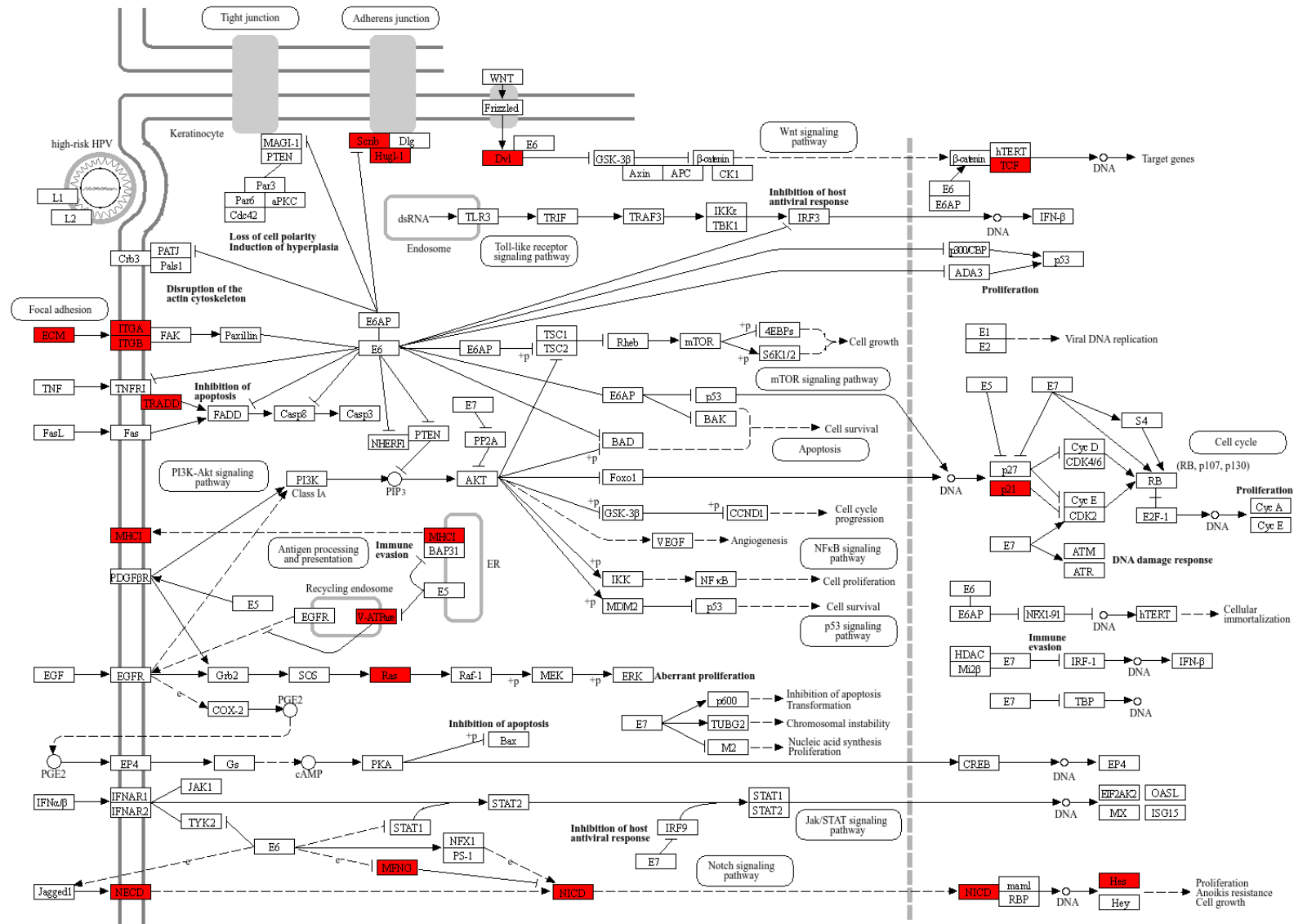
Data on KEGG graph
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FOCAL ADHESION



Data on KEGG graph
Rendered by Pathview

HUMAN PAPILLOMAVIRUS INFECTION



Data on KEGG graph
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MAPK SIGNALING PATHWAY

