Human Cells or Tissues which express several inflammasome related components, and as such, can potentially activate the inflammasome as a response to infection by Malassezia fungi.

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| Tissue Supergroup | Tissue | Inflammasome component present | Caspase present |
| Circulatory system | Artery | Nlrp3, Nlrc4, AIM2, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Heart | Nlrp3, Nlrc4, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8,  Casp12 |
| Immune system | Lymph node | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Spleen | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Renal system | Kidneys | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Sensory system | Eye | Nlrp1, IFI16 (in retina)  Asc (PYCARD) | Casp1, Casp4, Casp5 |
| Olfactory apparatus | Nlrp1  Asc (PYCARD) | Casp1, Casp4 |
| Tongue | Nlrp1, Nlrp2  Asc (PYCARD) | Casp1, Casp4, Casp8 |
| Skin | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Digestive system | Small Intestines | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Colon | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Duodenum | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Pancreas | Nlrp3, Nlrc4, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8,  Casp12 |
| Rectum | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Parotid gland (salivary glands) | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Stomach | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Oesophagus | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Submandibular gland | Nlrp1  Asc (PYCARD) | Casp1, Casp4, Casp8, Casp12 |
| Vermiform appendix | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Musculoskeletal system | Bone marrow | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Skeletal muscle tissue | Nlrp3, Nlrc4, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Smooth muscle tissue | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Reproductive system | Breast | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Epididymis | Nlrc4, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4 |
| Gall bladder | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Ovary | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Penis | Nlrp3, Nlrp1  Asc (PYCARD) | Casp1, Casp4, Casp8, Casp12 |
| Placenta | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Prostate gland | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Seminal vesicle | Nlrp1, IFI16  Asc (PYCARD) | Casp1, Casp4, Casp8 |
| Testis | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Umbilical cord | Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4 |
| Uterine cervix | Nlrp1, Nlrp2  Asc (PYCARD) | Casp1, Casp4, Casp8, Casp12 |
| Uterus | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Vagina | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Vas deferens | Nlrp1  Asc (PYCARD) | Casp1, Casp4, Casp8 |
| Prostate | Nlrc4, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Urinary bladder | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Fallopian tubes | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Endocrine system | Thyroid gland | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Adrenal gland | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Nervous system | Brain (almost all parts of the brain, too many to list) | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Spinal cord | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Pituitary gland | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Respiratory system | Throat | Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Diaphragm | Nlrc4, Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4 |
| Lungs | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Trachea | Nlrp1  Asc (PYCARD) | Casp1, Casp4 |
| Connective tissue/Others | Blood | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
|  | Liver | Nlrp3, Nlrc4, AIM2, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
|  | Adipose tissue | Nlrp3, Nlrc4, AIM2, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
|  | Tonsil | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
|  | Thymus | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
|  | Leukocytes | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
|  | Synovium/Synovial Fluid | Nlrp2 | Casp1, Casp8 |
|  | Bone |  | Casp1, Casp4 |

-Nlrp3, NEK7, IFI16, and AIM2 are on chromosome 1, Nlrc4 is on chromosome 2, Nlrp1 on chromosome 17, Nlrp2 is found on chromosome 19 (as well as Nlrp7). PYCARD (Asc) is found on chromosome 16.

-casp 1, 4, 5, and 12 are usually on the same chromosome 11 (along with CARD 16, 17 and 18), while Casp 8 is on chromosome 2 along with Casp10 which is involved in the activation of apoptosis-related caspases (i.e. Casp 3, ?4, and 6-9).

-using Expression atlas, the NHEK cell line was seen to be the only keratinocyte cell line with baseline expression for the caspase-1 gene

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| Cell | Inflammasome component used | Caspase used |
| Dendritic cells/MDDC | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Keratinocytes | Nlrp3, AIM2, Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| EBV-transformed lymphocyte | Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Monocyte | Nlrp3, Nlrc4, AIM2, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Transformed Skin fibroblast | Nlrc4, Nlrp1, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| B cell and Memory B cells | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| CD4-positive and CD4+ memory T cell | Nlrp3, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| CD8-positive and CD8+ memory T cell | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Natural killer cell | Nlrp3, ? Nlrc4, Nlrp1, Nlrp2, IFI16  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Megakaryocytes and Platelets | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Macrophage | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Thymocyte | Nlrp3 (CD8 only), Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Endothelial cell of umbilical vein | Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8, Casp12 |
| Erythroblast | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Eosinophil | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Neutrophil | Nlrp3, Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Neutrophilic metamyelocyte | Nlrp3, Nlrc4, Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Regulatory T cell | AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Segmented neutrophil | Nlrp3, Nlrc4, AIM2, Nlrp1  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8 |
| Common lymphoid/myeloid progenitors | Nlrp3, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Hematopoietic stem/progenitor cells | Nlrp3, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp5, Casp8, Casp12 |
| Megakaryocyte-erythroid progenitor cell | Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Granulocyte monocyte progenitor cell | Nlrp3, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Tonsil Plasma cells | Nlrc4, AIM2, Nlrp1, Nlrp2  Asc (PYCARD), NEK7 | Casp1, Casp4, Casp8 |
| Dermal Fibroblasts/Normal (other) fibroblasts | Nlrp3, AIM2, Nlrp1, Nlrp2  NEK7 | Casp4, Casp8 |
| Epithelial cell of bronchus |  | Casp4 (?Casp1), Casp8 |
| Hepatocyte |  | Casp4, Casp5, (?Casp1), Casp8 |
| Aortic endothelial cells | Nlrp1 | Casp4, Casp8 |
| Retinal epithelial cells | Nlrp1 | Casp4 |
| Osteoblast |  | Casp1 |
| Intestinal epithelial cells |  | Casp1, Casp4, Casp5 |
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