**HLA-alleles I**

HLA-A01:01, HLA-A02:01, HLA-A02:03, HLA-A02:06, HLA-A03:01, HLA-A11:01, HLA-A23:01, HLA-A24:02, HLA-A26:01, HLA-A30:01, HLA-A30:02, HLA-A31:01, HLA-A32:01, HLA-A33:01, HLA-A68:01, HLA-A68:02, HLA-B07:02, HLA-B08:01, HLA-B15:01, HLA-B35:01, HLA-B40:01, HLA-B44:02, HLA-B44:03, HLA-B51:01, HLA-B53:01, HLA-B57:01, HLA-B58:01

**HLA- alleles II**

HLA-DRB101:01, HLA-DRB103:01, HLA-DRB104:01, HLA-DRB104:05, HLA-DRB107:01, HLA-DRB108:02, HLA-DRB109:01, HLA-DRB111:01, HLA-DRB112:01, HLA-DRB113:02, HLA-DRB115:01, HLA-DRB301:01, HLA-DRB302:02, HLA-DRB401:01, HLA-DRB501:01, HLA-DQA105:01/DQB102:01, HLA-DQA105:01/DQB103:01, HLA-DQA103:01/DQB103:02, HLA-DQA104:01/DQB104:02, HLA-DQA101:01/DQB105:01, HLA-DQA101:02/DQB106:02, HLA-DPA102:01/DPB101:01, HLA-DPA101:03/DPB102:01, HLA-DPA101:03/DPB104:01, HLA-DPA103:01/DPB104:02, HLA-DPA102:01/DPB105:01, HLA-DPA102:01/DPB114:01