```
H2-Dd √
[1] H2-Kb √
                           H2-Kb Y22F, M23I, E24S, D30N mutant 1/
[3] H2-Db V
                           H2-Kd \/
[5] H2-M3
[7] H2-Kk ✓
                           H2-IAb ✓
[9] H2-IEd ✓
                           H2-IAd ∨
                           H2-IAk ✓
[11] H2-Ld V
[13] H2-IEk √,
                            H2-IAq7√
[15] H2-IAs ✓
                            H2-Lq \/
                             H2-IEg7<sup>™</sup>
[17] H2-d class 1-
[19] H2-Dk \/
                            H2-f class I
                             H2-k class 1 > unclear
[21] H2-b class_L
[23] H2-r class I
                             H2-s class I
[25] H2-z class I
                             H2-p class L
[27] H2-q class I
                             H2-v class_l
                             H2-IEk alpha E11Q, D66N mutant V
[29] H2-d class II
[31] H2-IAu \checkmark
                            H2-Q1
[33] H2-Db Q70H mutant ∨
                                  H2-IEb√
[35] H2-Db L114Q, F116Y, E119D mutant \ H2-Kb E152A, R155Y, L156Y mutant √
[37] H2-Q9
                                  H2-Kb Y84A mutant \/
[39] H2-Kb Y84C mutant \/
                                  H2-Kb D77S, K89A mutant \checkmark
[41] H2-IAg7 H56P, S57D mutant \times
                                     H2-IAr √
                            H2-IEr ✓
[43] H2-IAq~
                            H2-IEp ✓
[45] H2-IAp. /
[47] H2-Q2
                            H2-IAb I67F, R70Q, T71K mutant
                             H2-s class II
[49] H2-b class II
                             H2-Kwm7
[51] H2-k class II
                             H2-f class II
[53] H2-q class II
                             H2-Db H155A mutant V
[55] H2-z/d class II
[57] H2-Db Y159F mutant V
                                  H2 class I
[59] H2-Qa-1b V
                             H2-Kq ∨
[61] H2-Dq \/
                            H2-Qa-1a ✓
[63] H2-Kb W167A mutant 🗸
                                   H2-Kb E63A mutant \vee
[65] H2-Kb K66A mutant ( /
ClassI: K.D. L HZ-E H-2k.
Class I: IA IE.
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