

### **Hemoglobin family (reference structure 1HDB, chain B)**

Network associated to the haem binding site (red) : 83, 59, 87, 43, 37, 58, 127, 140, 39, 25, 29, 31, 62, 16, 46, 14

Network associated to the allosteric function :

– brown : 95, 91, 98, 84, 93, 94, 97, 101, 74, 136

– blue : 132, 61, 86, 7, 119

New networks associated to the protein-protein complex interfaces :

– deep violet : 33, 52, 40, 92, 41

– light violet : 135, 42, 96, 85, 81

– yellow : 124, 6, 122

### **Serine protease (reference structure 1AUJ, chain A)**

Network associated to the catalytic function (red) : 196, 198, 194, 182, 108, 140, 142, 102, 58, 57, 55, 68, 141, 216, 214, 155, 91, 28, 43, 44, 19, 42, 211, 225, 195, 197, 193, 191, 56, 18

Network located behind the S1 site (blue) : 184, 105, 108, 52, 46, 201, 136, 124, 123

Network associated to the ligand specificity (brown) : 209, 215, 189, 180, 186, 183, 228, 51, 231

### **PDZ domain (reference structure 1BE9, chain A)**

Network associated to highly conserved positions (red) : 324, 356, 357, 363, 347, 351

Network associated to ligand specificity : 336, 327, 323, 379, 362, 353, 372, 325, 344, 375, 330, 329

Other networks :

– orange : 322, 388, 390

– violet : 376, 359, 316, 345

### **Leucine dehydrogenase (reference structure 1LEH, chain B)**

Network associated to the catalytic function (red) : 77, 180, 182, 78, 282, 80, 115, 262, 68, 260, 289, 290, 236, 196, 41, 42, 61, 153, 150, 238, 113, 287, 38, 37, 335, 297, 87, 141

Network associated to the ligand specificity (blue) : 75, 142, 301, 204, 93, 149, 291, 183, 47, 81, 40, 29, 112, 294, 146, 85, 110, 264, 267, 151, 130, 27

Other networks :

– green : 135, 273, 118, 179, 185, 66, 283, 232

– orange : 295, 145, 293, 296, 60, 237

– yellow : 245, 298, 125, 128, 114, 100, 263, 240, 64, 96