```
Head and shoulder measures
               (in centimeters)
x1
           head width
x2
           head height
x3
           head depth
x4
           pinna offset down
x5
           pinna offset back
x6
           neck width
x7
           neck height
x8
           neck depth
           torso top width
x9
x12
           shoulder width
x14
           height
x16
           head circumference
           shoulder circumference
x17
                Far measures
   (in centimeters, L=left ear, R=right ear)
d1
           cavum concha height
d2
           cymba concha height
           cavum concha width
d3
```

d4 fossa height d5pinna height d6 pinna width d7 intertragal incisure 8b cavum concha depth (down) d9 cavum concha depth (back) d10 crus of helix depth Ear measures (in degree, L=left ear, R=right ear)

pinna rotation angle

pinna flare angle

theta1

theta2