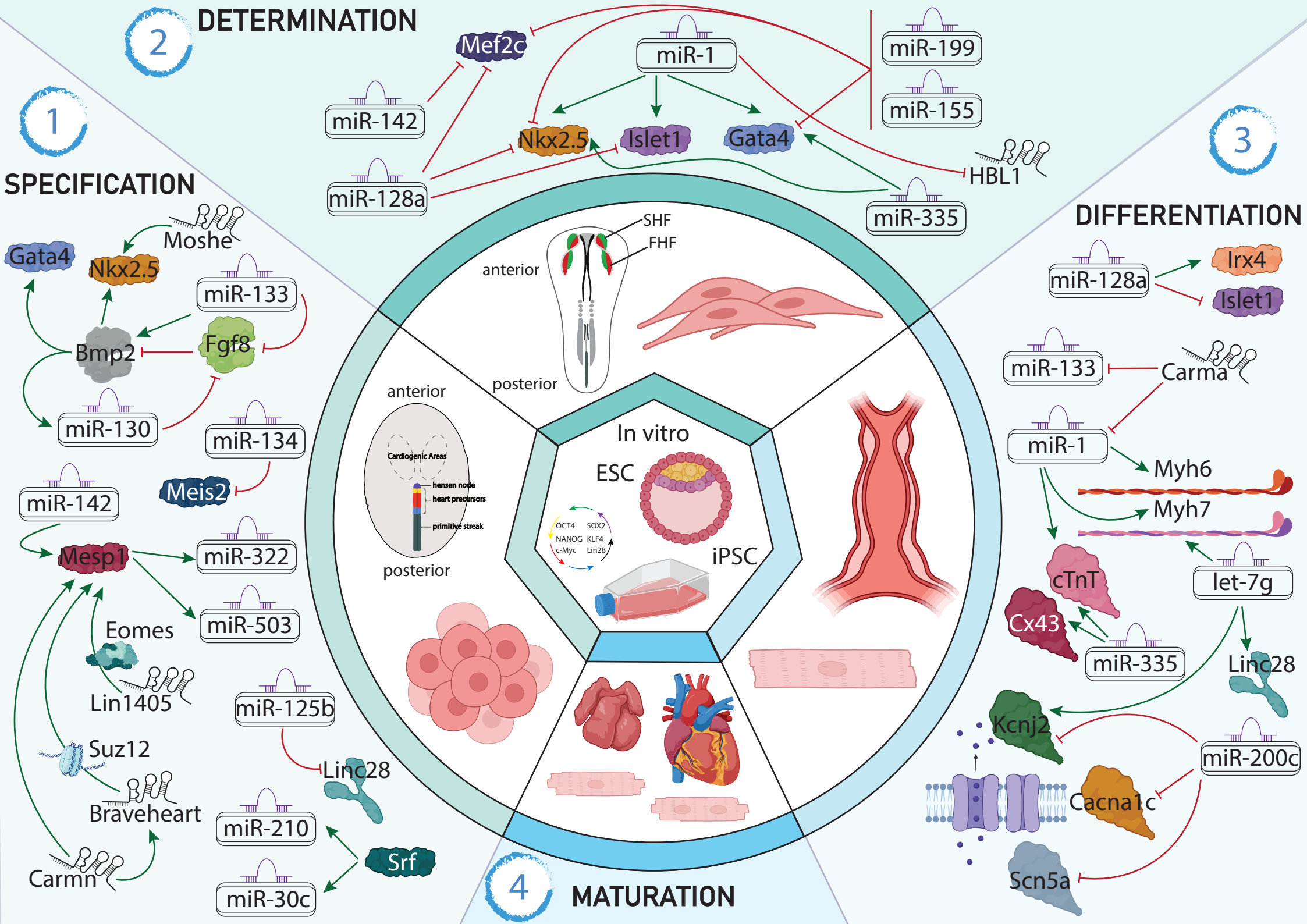
1
SPECIFICATION
2
DETERMINATION
3
DIFFERENTIATION
4
MATURATION
Moshe
Gata4
Nkx2.5
miR-133
Bmp2
Fgf8
miR-130
miR-134
Meis2
miR-142
Mesp1
miR-322
miR-503
Eomes
Lin1405
miR-125b
Suz12
Braveheart
Linc28
miR-210
Carmn
Srf
miR-30c
Mef2c
miR-1
miR-199
miR-155
miR-142
Nkx2.5
Islet1
Gata4
HBL1
miR-128a
miR-335
anterior
SHF
FHF
posterior
anterior
Cardiogenic Areas
hensen node
heart precursors
primitive streak
posterior
In vitro
ESC
OCT4
SOX2
NANOG
KLF4
c-Myc
Lin28
iPSC
miR-128a
Irx4
Islet1
miR-133
Carma
miR-1
Myh6
Myh7
let-7g
cTnT
Cx43
miR-335
Linc28
Kcnj2
miR-200c
Cacna1c
Scn5a