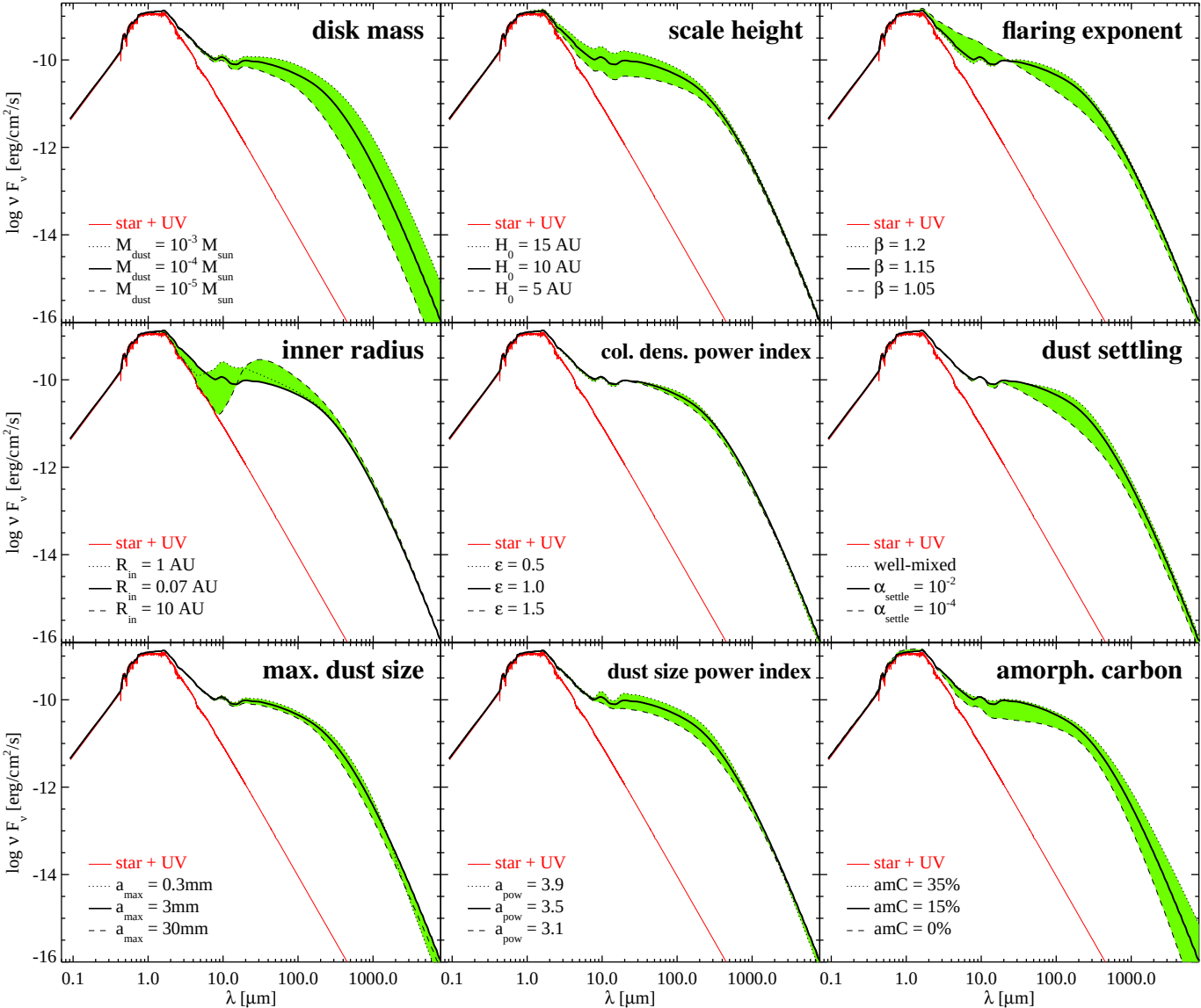
disk mass
star + UV
M_dust = 10^-3 M_sun
M_dust = 10^-4 M_sun
M_dust = 10^-5 M_sun
scale height
star + UV
H_0 = 15 AU
H_0 = 10 AU
H_0 = 5 AU
flaring exponent
star + UV
β = 1.2
β = 1.15
β = 1.05
inner radius
star + UV
R_in = 1 AU
R_in = 0.07 AU
R_in = 10 AU
col. dens. power index
star + UV
ε = 0.5
ε = 1.0
ε = 1.5
dust settling
star + UV
well-mixed
α_settle = 10^-2
α_settle = 10^-4
max. dust size
star + UV
a_max = 0.3mm
a_max = 3mm
a_max = 30mm
dust size power index
star + UV
a_pow = 3.9
a_pow = 3.5
a_pow = 3.1
amorph. carbon
star + UV
amC = 35%
amC = 15%
amC = 0%
log ν F_ν [erg/cm²/s]
-10
-12
-14
-16
0.1
1.0
10.0
100.0
1000.0
λ [μm]