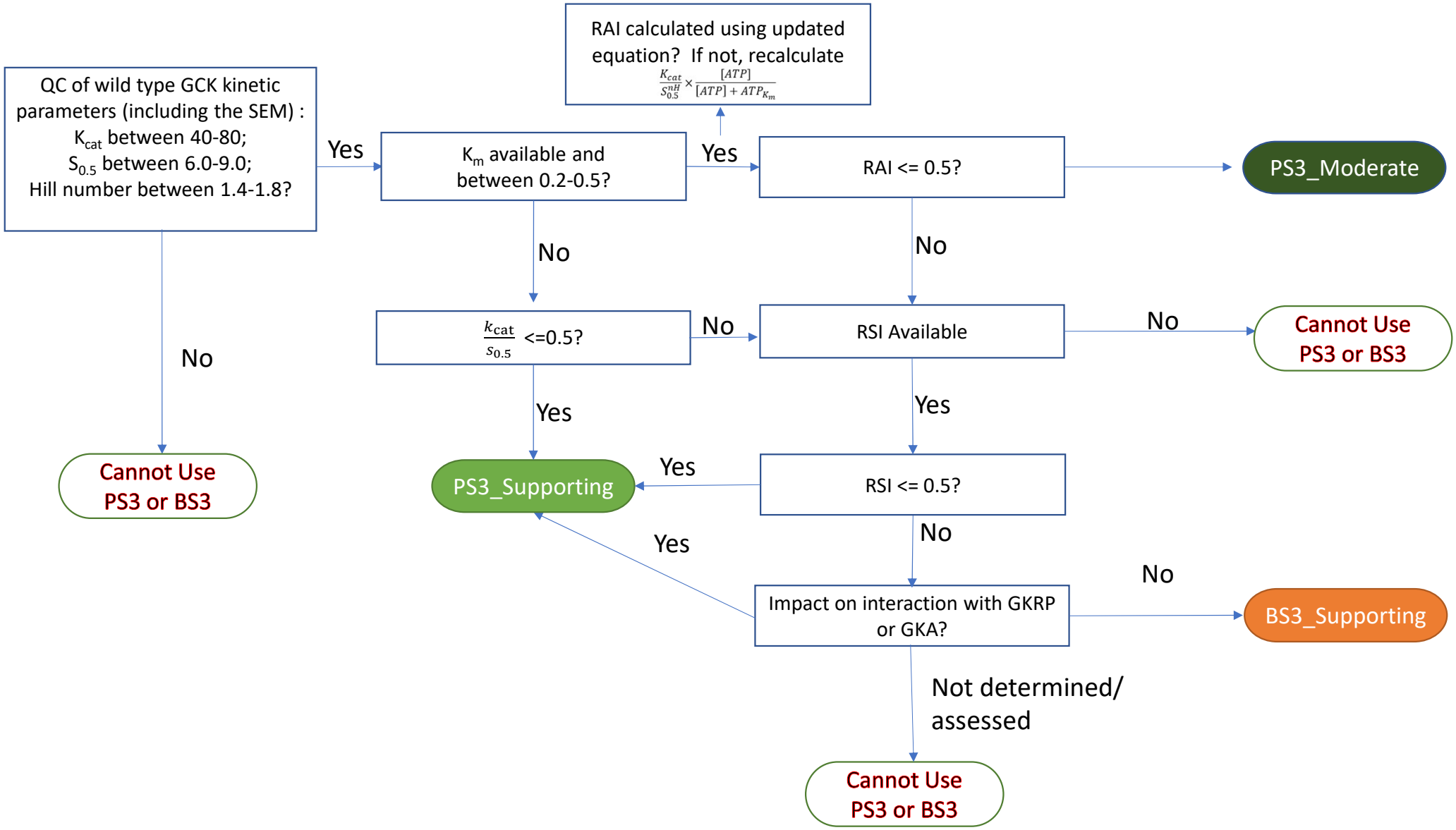
QC of wild type GCK kinetic parameters (including the SEM) : K_{cat} between 40-80; $S_{0.5}$ between 6.0-9.0; Hill number between 1.4-1.8?
Yes
No
Cannot Use PS3 or BS3
K_m available and between 0.2-0.5?
Yes
No
RAI calculated using updated equation? If not, recalculate $\frac{K_{cat}}{S_{0.5}^{nH}} \times \frac{[ATP]}{[ATP]+ATP_{K_m}}$
RAI <= 0.5?
Yes
PS3_Moderate
No
$\frac{k_{cat}}{s_{0.5}}$ <=0.5?
No
Yes
PS3_Supporting
RSI Available
No
Cannot Use PS3 or BS3
Yes
RSI <= 0.5?
Yes
PS3_Supporting
No
Impact on interaction with GKRP or GKA?
Yes
No
BS3_Supporting
Not determined/ assessed
Cannot Use PS3 or BS3