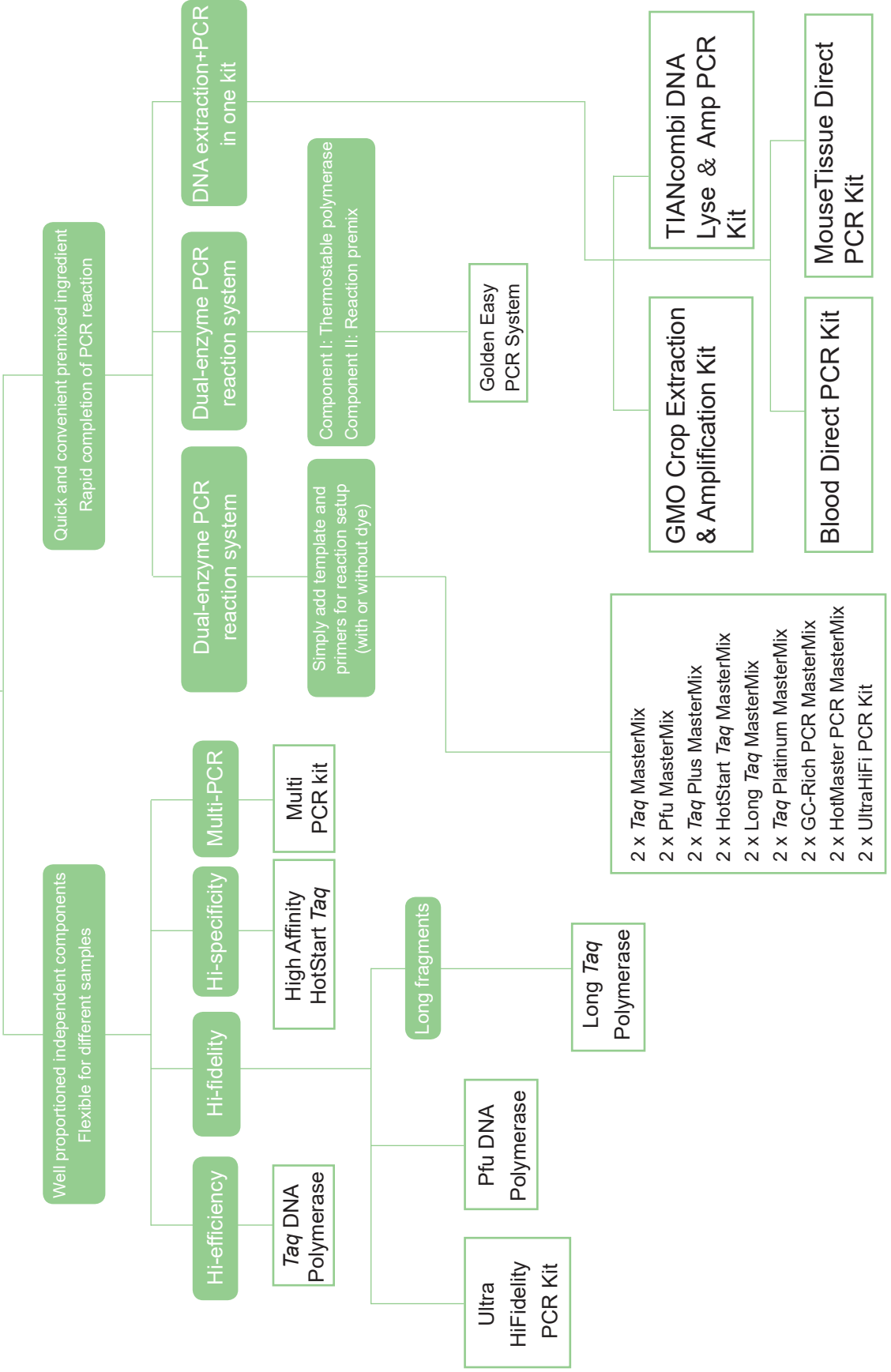


PCR Products Selection Guide



Amplification efficiency and convenience of different PCR products

	4992760	4992761/ 4992762/ 4992763/ 4992764/ 4992765	4992766/ 4992767	4992768	4992769/ 4992770	4992771/ 4992772	4992773/ 4992774	4992780/ 4992781/ 4992782/ 4992906	4992229/ 4992230/ 4992255/ 4992256	4992789/ 4992790	4992791/ 4992792/ 4992793	4992794/ 4992795	4992970/ 4992971/ 4992978
DNAragment length range	< 4 kb	< 8 kb	< 30 kb	< 6 kb	< 20 kb	< 8 kb	< 8 kb	< 4 kb	< 8 kb	< 6 kb	< 20 kb	< 20 kb	< 20 kb
Amplification efficiency	+	++++	+++	++	+++	++++	++++	++	++++	+++	+++	++++	++++
Fidelity	++++	+	++	+++	+++	++	++	+++	+	+++	+++	+++	+++
High GC amplification	++	++	++	++	++	++	++	+++	+++	+++	+++	+++	+++
3' A-tailing*	-	+	±	±	±	+	+	-	+	±	±	+	-
Convenience	x	x	x	x	x	x	x	√	√	√	√	√	√

Phi DNA Polymerase
Taq DNA Polymerase
Long Taq DNA Polymerase
Taq Platinum DNA Polymerase
Taq Plus DNA Polymerase
HotMaster Taq DNA Polymerase
High Affinity HotStart Taq
2xPhi PCR MasterMix
2xTaq PCR MasterMix
2xTaq Platinum PCR MasterMix
2xTaq Plus PCR MasterMix
2xGC-Rich PCR MasterMix
2xUltraHiFi PCR Mix

- + The product can be directly used for TA cloning
- The product cannot be directly used for TA cloning
- ± The product can be directly used for TA cloning, but A-tailing reaction is suggested to improve cloning efficiency
- √ Easy operation
- x Complicated operation