

兩大品牌基因庫

基因庫主要應用範圍: Gene over-expression

探索生技代理全球兩大基因品牌，品牌1: Thermo: 擁有全世界最完整現成cDNA/ORF基因庫，包含多種物種、定序確認之基因序列。品牌2: OriGene: 擁有全世界最大的現成 expression-ready cDNA/ORF基因庫，目前可提供human、mouse兩種物種。



哪種基因庫適合你？

可依據(表1)(表2)(表3)找出最適合您的cDNA/ORF基因庫

- Species: 物種
- cDNA: 全長基因，含完整ORF+3端5端之UTR區域
- ORF: 全長基因，含完整ORF，去除3端5端之UTR區域
- Tag: 螢光標籤或其他蛋白質標籤
- Scale: 涵蓋全基因組範圍
- Gene Ontology Subset: 依Gene Ontology分類
- Easy to transfer: 採用Entry vector，容易轉移到穿梭目標載體
- Expression-ready: 採用Expression vector，可直接於細胞內表現蛋白質
- Delivery Format: 貨品型態

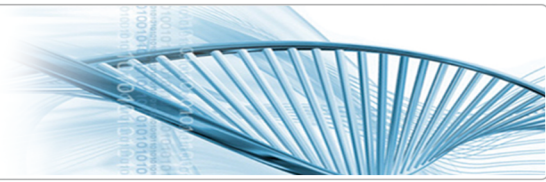
(表1.)

Collection	Species	cDNA	ORF	Tag	Scale	Gene Ontology Subset	Easy to transfer	Expression -ready	Delivery Format	廠牌
Human MGC Verified FL cDNA Collection	human	yes			>30039 clones				E. coli glycerol stocks	Thermo SCIENTIFIC
Human ORF Collection	human		yes		>12682 clones		yes		E. coli glycerol stocks	Thermo SCIENTIFIC
Expression-Ready MGC subset	human	yes			>3368 clones	yes		yes	E. coli glycerol stocks	Thermo SCIENTIFIC
Precision LentiORFs	human		yes	tGFP	>8064 clones			yes	Plasmid/Viral particals	Thermo SCIENTIFIC
Incytes Novel cDNA Collection	human	yes			1126 clones				E. coli glycerol stocks	Thermo SCIENTIFIC
TrueClone® Human Collection	human	yes			>33000 clones	yes	yes	yes	1 ug plasmid	ORIGENE Your Gene Company
TrueORF® Human Collection	human		yes	Myc/DDK	>10000 clones	yes	yes	yes	1 ug plasmid	ORIGENE Your Gene Company
Mouse MGC Verified FL cDNA Collection	mouse	yes			>27457 clones				E. coli glycerol stocks	Thermo SCIENTIFIC
TrueClone® Mouse Collection	mouse	yes			>6000 clones		yes	yes	1 ug plasmid	ORIGENE Your Gene Company

(表2.)

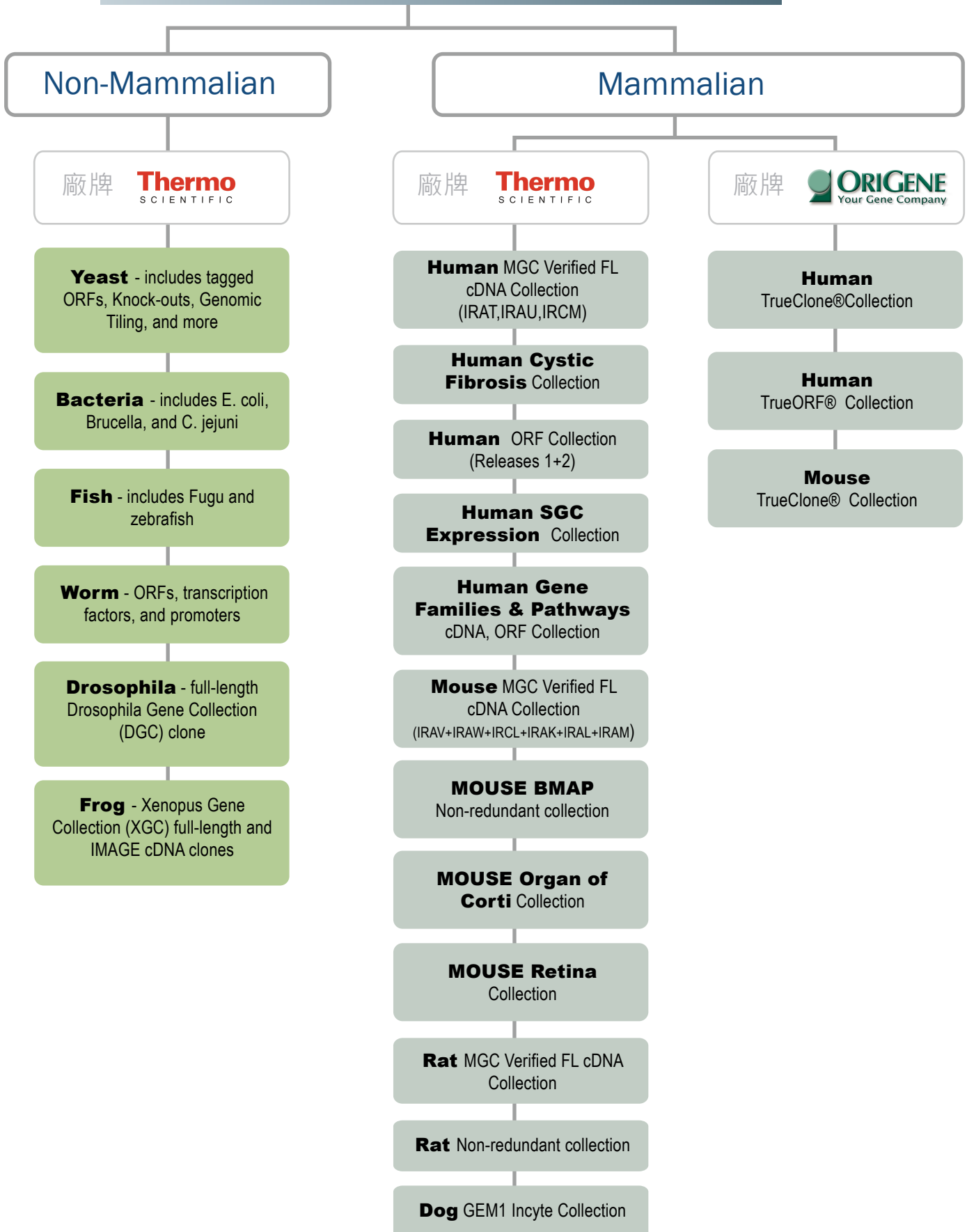
Mammalian & Non-Mammalian Gene Collections

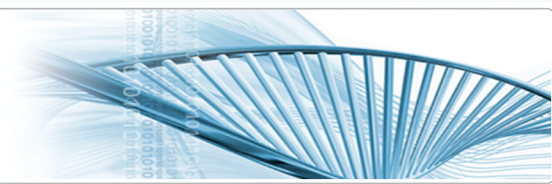
----- 接下頁-----



(表2.)

Mammalian & Non-Mammalian Gene Collections





(表3.) Gene Ontology Subset

Expression-Ready MGC Subset	TrueClone® Human Collection Subset
-Cell Cycle	TrueORF® Human Collection Subset
-Cytokine	GPCR
-GPCR	Kinase-deficient mutant
-Growth Factor	Protein Kinase
-Insulin Receptor Signaling	Secreted
-Ion Channel	Transmembrane
-Kinases	Autoimmune & Inflammatory Response
-Nuclear Receptor	Stem Cell
-Oxygen Binding	Angiogenesis
-Peptidase	Apoptosis
-Phosphatases	Breast Cancer
-Plasma Membrane	Cytokines
-Protein Kinase	NFkB Signaling Pathway
-Transcription Factor	Tumor Metastasis
-Transporter	Notch
-Ubiquitin conjugation	Wnt Pathway
Druggable Genome set	
- GPCR	
- Ion Channel	
- Kinases	
- Peptidase	
- Phosphatases	
- Ubiquitin conjugation	