Appendix B: Recommended Items for Breeding Service Platform Regulatory Sandbox Mechanism

Pilot Theme	Core Testing Content	Expected Policy Output and Goals
AI-based Decision Tools and Algorithm Traceability	Scope of model use, clarification of attribution and liability, application boundaries of evaluation materials and AI	Determine whether AI-based evaluations, risk assessments, and test recommendations can be used for submission materials
Data Cross-border Flow Testing	Multi-location data sharing, crop data cross-border transfer, data security flow	Develop classification management and approval rules for data crossing borders
SOP and Electronic Record Compliance	Metadata, signatures, and traceability under the electronic recording framework	Assess whether electronic records comply with data integrity reporting effectiveness
Contract Template Compatibility Testing Mechanism	Agreement signing process, version consistency, data authorization and sharing	Promote cross-institution agreement templates for data, IP, and MTA models
AI Training and Data Labeling Risk Review Mechanism	Type of datasets used for training, data labeling quality and audit process, and sensitive information filtering	Establish an AI sandbox framework for “Trustworthy AI” governance

Note: The regulatory sandbox is recommended to be led by the Ministry of Agriculture and Rural Affairs or by local pilot zones or Free Trade Zones in conjunction with the Ministry of Science and Technology's regulatory divisions. Reference can be made to best practices from the financial technology, medical AI, and other sectors