(digital PCR) OR (dPCR)

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36052254	Lentiviral vector-based xenograft tumors as candidate reference materials for detection of HER2-low breast cancer	Yali Wei Xu An Qinmei Cao Nanying Che Yuanyuan Xue Haiteng Deng Qingtao Wang Rui Zhou	The human epidermal growth factor receptor 2 (HER2) is an important biomarker that plays a pivotal role in therapeutic decision-making for patients with breast cancer (BC). Patients with HER2-low BC can benefit from new HER2 targeted therapy. For ensuring the accurate and reproducible detection of HER2-low cancer, reliable reference materials are required for monitoring the sensitivity and specificity of detection assays. Herein, a lentiviral vector was used to transduce the HER2 gene into...	pmid:36052254 pmc:PMC9425432 doi:10.3389/fonc.2022.955943	Fri, 02 Sep 2022 06:00:00 -0400
2	pubmed:36053951	Antibody Response to HML-2 May Be Protective in Amyotrophic Lateral Sclerosis	Marta Garcia-Montojo Elena Rita Simula Saeed Fathi Cynthia McMahan Anubrata Ghosal James D Berry Merit Cudkowicz Abdel Elkahloun Kory Johnson Gina Norato Peter Jensen Tony James Leonardo A Sechi Avindra Nath	OBJECTIVES: Reactivation of HERV-K(HML-2) has been found in subsets of individuals with amyotrophic lateral sclerosis (ALS). This study examines the antibody response against HML-2 in ALS and analyzes its clinical relevance.	pmid:36053951 doi:10.1002/ana.26466	Fri, 02 Sep 2022 06:00:00 -0400
3	pubmed:36054028	Next-generation molecular diagnostics (TaqMan qPCR and ddPCR) for monitoring insecticide resistance in Bemisia tabaci	Konstantinos Mavridis Kyriaki Maria Papapostolou Aris Ilias Kleita Michaelidou Marianna Stavrakaki Emmanouil Roditakis Anastasia Tsagkarakou Chris Bass John Vontas	CONCLUSION: The ddPCR diagnostics developed in this study are a valuable tool to support evidence-based rational use of insecticides and resistance management strategies. © 2022 Society of Chemical Industry.	pmid:36054028 doi:10.1002/ps.7122	Fri, 02 Sep 2022 06:00:00 -0400
4	pubmed:36054112	Fish as sentinels of antimicrobial resistant bacteria, epidemic carbapenemase genes, and antibiotics in surface water	Gregory A Ballash Anca Baesu Seungjun Lee Molly C Mills Dixie F Mollenkopf S Mažeika P Sullivan Jiyoung Lee Stephen Bayen Thomas E Wittum	Surface waters, especially those receiving wastewater flows, can disseminate antimicrobial resistant bacteria (ARB), antimicrobial resistance genes (ARG), and antibiotics. In the Scioto River of central Ohio, United States, we evaluated fishes as potential sentinels of ARB and antimicrobial contamination and investigated the influence of antimicrobial exposure on the fish intestinal resistome. Seventy-seven fish were collected from river reaches receiving inputs from two wastewater treatment...	pmid:36054112 doi:10.1371/journal.pone.0272806	Fri, 02 Sep 2022 06:00:00 -0400