				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GAMCO INVESTORS, INC. ET AL ONE CORPORATE CENTER RYE, NY 10580		X		
GGCP, INC. 189 MASON STREET GREENWICH, CT 06830		X		
Associated Capital Group, Inc. 191 MASON STREET GREENWICH, CT 06830		X		
GABELLI MARIO J C/O GAMCO INVESTORS, INC ONE CORPORATE CENTER RYE, NY 10580		X		

Signatures

/s/ Douglas R. Jamieson, Attorney-In-Fact for MARIO J. GABELLI, GGCP, INC., and ASSOCIATED CAPITAL GROUP , INC		12/27/2021
**Signature of Reporting Person		Date
/s/ Peter D. Goldstein, General Counsel for GAMCO INVESTORS, INC		12/27/2021
**Signature of Reporting Person		Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) GAMCO Investors, Inc. and Associated Capital Group, Inc. have less than a 100% interest in this entity; GGCP, Inc. has less than a 100% interest in GAMCO Investors, Inc. and Associated Capital Group, Inc.; and Mario J. Gabelli has less than a 100% interest in GGCP, Inc. The amount of securities reported as beneficially owned reflects the total amount of securities held by this entity which is greater that the Reporting Persons' indirect pecuniary interests. The Reporting Persons he t