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Yes No 25. (a) Does the private fund use any custodians (including the prime brokers listed above) to hold some or all of its assets? If the answer to question 25.(a) is "yes," respond to questions (b) through (g) below for each custodian the private fund uses. If the private fund uses in custodian, you must complete questions (b) through (g) separately for each custodian. Additional Custodian Information : 2 Record(s) Filed. If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (q) separately for each custodian. (b) Legal name of custodian BANK OF AMERICA, N.A. (c) Primary business name of custodian: BANK OF AMERICA, N.A. (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: CHICAGO Country: United States (e) Is the custodian a related person of your firm? 00 (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): CRD Number (if any): (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any) B4TYDEB6GKMZO031MB27 If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian. (b) Legal name of custodian: BANK OF NEW YORK MELLON (THE) (c) Primary business name of custodian: BANK OF NEW YORK MELLON (THE) (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): Yes No (e) Is the custodian a related person of your firm? (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): CRD Number (if any): (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any) HPFHU00Q28E4N0NFVK49

## 25. (a) Does the private fund use any custodians (including the prime brokers listed above) to hold some or all of its assets? If the answer to question 25.(a) is "yes," respond to questions (b) through (g) below for each custodian the private fund uses. If the private fund uses more than of custodian, you must complete questions (b) through (g) separately for each custodian. Additional Custodian Information : 1 Record(s) Filed. If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian. (b) Legal name of custodian: BANK OF NEW YORK MELLON (THE) (c) Primary business name of custodian: BANK OF NEW YORK MELLON (THE) (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): Country: United States State: New York City: NEW YORK (e) Is the custodian a related person of your firm? 0 0 (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any) HPFHU0OQ28E4N0NFVK49

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Custodian Yes No If the answer to question 25.(a) is "yes," respond to questions (b) through (g) below for each custodian the *private fund* uses. If the *private fund* uses more than one custodian, you must complete questions (b) through (g) separately for each custodian. 25. (a) Does the private fund use any custodians (including the prime brokers listed above) to hold some or all of its assets? Additional Custodian Information : 1 Record(s) Filed. If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian. (b) Legal name of custodian: BANK OF NEW YORK MELLON (THE) (c) Primary business name of custodian: BANK OF NEW YORK MELLON (THE) (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK State: Country: New York United States (e) Is the custodian a related person of your firm? 0 0 (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): CRD Number (if any): (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any) HPFHU0OQ28E4N0NFVK49

the a		th (g) below for each custodian the private fund uses. If the private fund uses more than one
	dian, you must complete questions (b) through (g) separately for e tional Custodian Information: 6 Record(s) Filed.	ach custodian.
If th	ne answer to question 25.(a) is "yes," respond to questions (b) thro	ough g) below for each custodian the private fund uses. If the private fund uses more than on
	stodian, you must complete questions (b) through (g) separately for	
(b)	Legal name of custodian: BANK OF NEW YORK MELLON (THE)	
(c)	Primary business name of custodian: BANK OF NEW YORK MELLON (THE)	
(d)	The location of the custodian's office responsible for custody of the	ne private fund's assets (city, state and country);
	City: State:	Country:
	NEW YORK New York	United States Yes
(e)	Is the custodian a related person of your firm?	0
(f)	If the custodian is a broker-dealer, provide its SEC registration nu	mber (if any):
	CRD Number (if any):	
	If the custodian is not a broker-dealer, or is a broker-dealer but do HPFHUOOQ28E4N0NFVK49	oes not have an SEC registration number, provide its legal entity identifier (if any)
If th	he answer to question 25.(a) is "yes," respond to questions (b) thro stodian, you must complete questions (b) through (g) separately for	ough g) below for each custodian the <i>private fund</i> uses. If the <i>private fund</i> uses more than or each custodian.
(b)	Legal name of custodian:	
	CITADEL CLEARING LLC	
	Primary business name of custodian:	
	CITADEL CLEARING LLC	
(d)	The location of the custodian's office responsible for custody of the	ne private fund's assets (city, state and country):
	City: State: CHICAGO Illinois	Country: United States
		Yes
(e)	Is the custodian a related person of your firm?	•
(f)	If the custodian is a broker-dealer, provide its SEC registration nu	imber (if any):
	8 - 69521	
	CRD Number (if any): 172693	
(a)	If the custodian is not a broker-dealer or is a broker-dealer but de	oes not have an SEC registration number, provide its legal entity identifier (if any)
(9)	If the custodian is not a broker-dealer, or is a broker-dealer but do 5493001I7IJ4CW6Q9N27	ses not have an SEC registration number, provide its regai entity identifier (if any)
	he answer to question 25.(a) is "yes," respond to questions (b) thro	ough g) below for each custodian the private fund uses. If the private fund uses more than o
If th	stodian, you must complete questions (b) through (g) separately for	
cus		
cus	Legal name of custodian: CITIGROUP GLOBAL MARKETS INC.	
(b)	CITIGROUP GLOBAL MARKETS INC. Primary business name of custodian:	
(b)	CITIGROUP GLOBAL MARKETS INC.	
(b)	CITIGROUP GLOBAL MARKETS INC. Primary business name of custodian:	e private fund's assets (city, state and country):
(b) (c) (d)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: State:	Country:
(b) (c) (d)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  New York	Country: United States Yes
(b) (c) (d)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?	Country: United States Yes
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration numbers.	Country: United States Yes
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nu 8 - 8177  CRD Number (if any):	Country: United States Yes
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City. NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nu 8 - 8177	Country: United States Yes
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: New York  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nut 8 - 8177  CRD Number (if any): 7059	Country: United States Yes
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nuts - 8177 CRD Number (if any): 7059  If the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer, or is a broker-dealer but defined the custodian is not a broker-dealer.	Country: United States  Yes  Cumber (if any):
(b) (c) (d) (e) (f)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: New York  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nut 8 - 8177  CRD Number (if any): 7059  If the custodian is not a broker-dealer, or is a broker-dealer but do MBNUM2BPBDO7JBLYG310	Country: United States  Yes  Country: umber (if any):  coes not have an SEC registration number, provide its legal entity identifier (if any)  coes not have an SEC registration number, provide its legal entity identifier (if any)
(b) (c) (d) (e) (f) (g)	Primary business name of custodian: CTTGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CTTGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nutles - 8177 CRD Number (if any): 7059  If the custodian is not a broker-dealer, or is a broker-dealer but do MBNUM2BPBDO7JBLYG310  The answer to question 25.(a) is "yes," respond to questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticidian.	Country: United States  Yes  Country: umber (if any):  coes not have an SEC registration number, provide its legal entity identifier (if any)  coes not have an SEC registration number, provide its legal entity identifier (if any)
(b) (c) (d) (e) (f) (g) If the cus	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City: NEW YORK  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nutles - 8177 CRD Number (if any): 7059  If the custodian is not a broker-dealer, or is a broker-dealer but do MBNUM2BPBD07JBLYG310  the answer to question 25.(a) is "yes." respond to questions (b) throw the custodian is not a broker-dealer but do MBNUM2BPBD07JBLYG310	Country: United States  Yes  Yes  Yes  Yes  Yes  Yes  Yes
(b) (c) (d) (e) (f) (g)  If th cus: (b)	CITIGROUP GLOBAL MARKETS INC.  Primary business name of custodian: CITIGROUP GLOBAL MARKETS INC.  The location of the custodian's office responsible for custody of the City. New York  Is the custodian a related person of your firm?  If the custodian is a broker-dealer, provide its SEC registration nutlength of the custodian is a broker-dealer, provide its SEC registration nutlength of the custodian is not a broker-dealer, or is a broker-dealer but do MBNUM2BPBDO7JBLYG310  The answer to question 25.(a) is "yes," respond to questions (b) through (g) separately forticidian, you must complete questions (b) through (g) separately forticed answer of custodian:	Country: United States  Yes  Country:  umber (if any):  coes not have an SEC registration number, provide its legal entity identifier (if any)  coes not have an SEC registration number, provide its legal entity identifier (if any)

(c) Primary business name of custodian: DEUTSCHE BANK AG  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: PORT LOUIS State: Country: Mauritius  Yes N  (i) If the custodian a related person of your firm?  (ii) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (ii) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  If the answer to question 25.(a) is "yes," respond to questions (b) through (g) separately for each custodian the private fund uses. If the private fund uses more than one custodian; you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: JPMORGAN CHASE BANK, N.A.  (c) Primary business name of custodian: JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York New York United States  Yes N  CO  If the custodian is a broker-dealer, provide its SEC registration number (if any): CRD Number (if any):							
City: State: Country: Mauritius  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  If the answer to question 25.(a) is "yes," respond to questions (b) through (g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: JPMORGAN CHASE BANK, N.A.  (c) Primary business name of custodian: JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: State: Country: NEW YORK New York United States  Yes New YORK New York United States  Yes New YORK If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):	(c)	Primary business name of co DEUTSCHE BANK AG	ustodian:				
City: PORT LOUIS  State: Country: Mauritius  Yes N  (a) Is the custodian a related person of your firm?  (b) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (c) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (c) If the answer to question 25.(a) is "yes," respond to questions (b) through (g) below for each custodian the private fund uses. If the private fund uses more than one bustodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: JPMORGAN CHASE BANK, N.A.  (c) Primary business name of custodian: JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York United States  Yes New YORK New York United States  Yes New YORK Is the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (d) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)							
PORT LOUIS  Mauritius  Yes N  (a) Is the custodian a related person of your firm?  (b) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (c) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (c) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (c) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (c) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (c) If the custodian a related person of your firm?  (c) If the custodian is a broker-dealer, provide its SEC registration number (if any):  (d) If the custodian is a broker-dealer, provide its SEC registration number (if any):  (e) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)	d)		's office responsi				
s is the custodian a related person of your firm?  (If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (If the custodian is a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)				3			
CRD Number (if any):  g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  f the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one sustodian, you must complete questions (b) through (g) separately for each custodian.  b) Legal name of custodian:	e)	Is the custodian a related per	rson of your firm?				
CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  (if the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:	m	If the custodian is a broker-de	ealer, provide its	SEC registration number	if any):		
(g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)  If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:	(-)	-	odici, provide ita i	ozo regiotration number	,,.		
If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:		CRD Number (if any):					
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:     JPMORGAN CHASE BANK, N.A.  (c) Primary business name of custodian:     JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country):     City:         State:         Country:         New York         New York         United States  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):	(g)	If the custodian is not a broke	er-dealer, or is a t	broker-dealer but does no	t have an SEC re	gistration number, provide its legal ent	ity identifier (if any)
JPMORGAN CHASE BANK, N.A.  (c) Primary business name of custodian: JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: New YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)						sustodian the <i>private fund</i> uses. If the $ ho$	rivate fund uses more than on
(c) Primary business name of custodian:  JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country):  City:  NEW YORK  New York  United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):   CRD Number (if any):	(b)		LA.				
JPMORGAN CHASE BANK, N.A.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country):  City: NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):							
City: NEW YORK State: Country: United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):  - CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)	(c)						
City: State: Country: United States  NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):		The transfer of the control of				(-)t	
NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):  CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)	(d)		s office responsi		ate fund's assets		
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CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its <i>legal entity identifier</i> (if any)							
CRD Number (if any):  (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its <i>legal entity identifier</i> (if any)	(e)	Is the custodian a related pe	rson of your firm?				
(g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any)		•					
		•			(if any):		
		If the custodian is a broker-de			(if any):		
		If the custodian is a broker-de			(if any):		
	(f)	If the custodian is a broker-de- CRD Number (if any):	ealer, provide its	SEC registration number		gistration number, provide its <i>legal ent</i>	0
	(f)	If the custodian is a broker-de- CRD Number (if any):	ealer, provide its s	SEC registration number		gistration number, provide its <i>legal ent</i>	0
	(f)	If the custodian is a broker-de- CRD Number (if any):	ealer, provide its s	SEC registration number		gistration number, provide its <i>legal ent</i>	0
	(f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broken the GLXDRUGQFU57RNE9:  e answer to question 25.(a) is	ealer, provide its ser-dealer, or is a b	SEC registration number broker-dealer but does no o questions (b) through g)	t have an SEC re		ity identifier (if any)
	(f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broken the GLXDRUGQFU57RNE9:  e answer to question 25.(a) is	ealer, provide its ser-dealer, or is a b	SEC registration number broker-dealer but does no o questions (b) through g)	t have an SEC re		ity identifier (if any)
If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian.    Description   Private   Private	(f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broken THEGLXDRUGGFU57RNE9:  e answer to question 25.(a) is todian, you must complete questionan;	ealer, provide its a bor-dealer, or is a bor-d	SEC registration number of the control of the contr	t have an SEC re		ity identifier (if any)
custodian, you must complete questions (b) through (g) separately for each custodian.	(f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broken THEGLXDRUGGFU57RNE9:  e answer to question 25.(a) is todian, you must complete questionan;	ealer, provide its a bor-dealer, or is a bor-d	SEC registration number of the control of the contr	t have an SEC re		ity identifier (if any)
(b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian:	(f) (g) If the cus (b)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGGFU57RNE9: e answer to question 25.(a) is todian, you must complete que Legal name of custodian: MERRILL LYNCH PROFESS!	ealer, provide its sar-dealer, or is a by sar	SEC registration number of the control of the contr	t have an SEC re		ity identifier (if any)
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:	(f) (g) If the cus (b)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGGFU57RNE9: e answer to question 25.(a) is todian, you must complete que Legal name of custodian: MERRILL LYNCH PROFESS!	ealer, provide its sar-dealer, or is a by sar	SEC registration number of the control of the contr	t have an SEC re		ity identifier (if any)
(b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian:	(f) (g) If the cus (b)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke  7H6GLXDRUGQFU57RNE9:  e answer to question 25.(a) is  todian, you must complete question  Legal name of custodian:  MERRILL LYNCH PROFESS  Primary business name of cumeral  MERRILL LYNCH PROFESS	ealer, provide its : or-dealer, or is a b 7 : "yes," respond to estions (b) throughtons (b) th	SEC registration number of the control of the contr	t have an SEC re	ustodian the <i>private fund</i> uses. If the <i>p</i>	ity identifier (if any)
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: State: Country:	(f) (g) If the cus (b)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broker- THEGLXDRUGQFU57RNE9:  e answer to question 25.(a) is todian, you must complete question and the custodian:  MERRILL LYNCH PROFESS  The location of the custodian City:	ealer, provide its : or-dealer, or is a b 7 : "yes," respond to estions (b) throughtons (b) th	SEC registration number of the privice of the privilege of th	t have an SEC re	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:     MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian:     MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country):     City:	(f) (g) If the cus (b)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broker- THEGLXDRUGQFU57RNE9:  e answer to question 25.(a) is todian, you must complete question and the custodian:  MERRILL LYNCH PROFESS  The location of the custodian City:	ealer, provide its : or-dealer, or is a b 7 : "yes," respond to estions (b) throughtons (b) th	SEC registration number of the privice of the privilege of th	t have an SEC re	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: New York New York United States  Yes N	(f) (g)  If the cus (b) (c) (d)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGQFU57RNE9:  e answer to question 25.(a) is todian, you must complete qu Legal name of custodian: MERRILL LYNCH PROFESS  The location of the custodian City: NEW YORK	ealer, provide its search and a search are search as a search are search are search as a search are search as a search are search as a se	SEC registration number of the private of the priva	t have an SEC re	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian:     MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian:     MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country):     City:	(f) (g)  If the cus (b) (c) (d)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGGFU57RNE9:  e answer to question 25.(a) is todian, you must complet qu  Legal name of custodian: MERRILL LYNCH PROFESS  Primary business name of complete in the custodian of the custodian city: NEW YORK  Is the custodian a related pe	ealer, provide its sar-dealer, or is a to a sar-dealer, or is a sa	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York	below for each coustodian.	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):	(f) (g)  If the cus (b) (c) (d)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGQFU57RNE9:  e answer to question 25.(a) is todian, you must complete qu Legal name of custodian: MERRILL LYNCH PROFESS  The location of the custodian City: NEW YORK Is the custodian a related pe  If the custodian is a broker-di-	ealer, provide its sar-dealer, or is a to a sar-dealer, or is a sa	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York	below for each coustodian.	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK State: New York United States  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): 8 - 33359	(f) (g)  If the cus (b) (c) (d)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broker- THOGILXDRUGQFUSTRNES:  e answer to question 25.(a) is todian, you must complete question in the custodian:  MERRILL LYNCH PROFESS  The location of the custodian City:  NEW YORK  Is the custodian a related per  If the custodian is a broker-di- 8 - 33359	ealer, provide its sar-dealer, or is a to a sar-dealer, or is a sa	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York	below for each coustodian.	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any):	(f) (g)  If the cus (b) (c) (d)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke 7H6GLXDRUGGFU57RNE9:  e answer to question 25.(a) is todian, you must complete or todian, you must complete or MERRILL LYNCH PROFESS  Primary business name of complete or MERRILL LYNCH PROFESS  The location of the custodian City: NEW YORK  Is the custodian a related pe  If the custodian is a broker-di 8 - 33359  CRD Number (if any):	ealer, provide its sar-dealer, or is a to a sar-dealer, or is a sa	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York	below for each coustodian.	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York United States  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): 8 - 33359  CRO Number (if any): 16139	(f) (g)  If the cus (b) (c) (d) (e) (f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broke- 7H6GLXDRUGGFU57RNE9:  e answer to question 25.(a) is todian, you must complete que Legal name of custodian: MERRILL LYNCH PROFESS  Primary business name of community business n	ealer, provide its : ar-dealer, or is a b 7 ar-dealer, respond to b 8 ar-dealer sealer, provide its : ar-dealer, provide its :	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York.	below for each coustodian.  ate fund's assets (if any):	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:  United States	ity identifier (if any)  rivate fund uses more than one
custodian, you must complete questions (b) through (g) separately for each custodian.  (b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (c) Primary business name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CORP.  (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): City: NEW YORK New York United States  Yes N  (e) Is the custodian a related person of your firm?  (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): 8 - 33359 CRD Number (if any):	(f) (g)  If the cus (b) (c) (d) (e) (f)	If the custodian is a broker-di- CRD Number (if any):  If the custodian is not a broken-di- THEGLXDRUGGFU57RNE9:  e answer to question 25.(a) is toodian, you must complete qui Legal name of custodian: MERRILL LYNCH PROFESS:  The location of the custodian City: NEW YORK  Is the custodian a related per If the custodian is a broker-di- 8 - 33359  CRD Number (if any): 16139  If the custodian is not a broker-di- Broken-di- Broken-	ealer, provide its : ar-dealer, or is a b 7 ar-dealer, respond to b 8 ar-dealer sealer, provide its : ar-dealer, provide its :	o questions (b) through gight (g) separately for each GCORP.  GCORP.  State:  New York.	below for each coustodian.  ate fund's assets (if any):	ustodian the <i>private fund</i> uses. If the <i>p</i> (city, state and country):  Country:  United States	ity identifier (if any)  rivate fund uses more than one

	prime brokers?		Yes
	respond to questions (b) through (e) belo ions (b) through (e) separately for each pr	ow for each prime broker the private fund uses. If the prime broker.	
additional Prime Broker Information :			
	es," respond to questions (b) through (e) be e questions (b) through (e) separately for e	elow for each prime broker the <i>private fund</i> uses. If the each prime broker.	private fund uses more than
(b) Name of the prime broker: BOFA SECURITIES, INC.			
(c) If the prime broker is registered v 8 - 69787	with the SEC, its registration number:		
CRD Number (if any): 283942			
(d) Location of prime broker's office	used principally by the private fund (city, st	tate and country):	
City: NEW YORK	State: New York	Country: United States	
(e) Does this prime broker act as cu	stodian for some or all of the private funds	's assets?	Yes N
(c) Boco and printe broker dot do ou	steadar for come or an or the private rand		© (
	es," respond to questions (b) through (e) be e questions (b) through (e) separately for e	elow for each prime broker the private fund uses. If the each prime broker.	private fund uses more than
(b) Name of the prime broker:			
CITADEL CLEARING LLC			
(c) If the prime broker is registered to 8 - 69521	with the SEC, its registration number:		
CRD Number (if any): 172693			
City:	used principally by the private fund (city, st State:	Country:	
CHICAGO	Illinois	United States	Yes N
(e) Does this prime broker act as cu	stodian for some or all of the private fund?	's assets?	· ·
	es," respond to questions (b) through (e) be e questions (b) through (e) separately for e	elow for each prime broker the <i>private fund</i> uses. If the each prime broker.	private fund uses more than
one prime broker, you must complete (b) Name of the prime broker:	e questions (b) through (e) separately for e		private fund uses more than
one prime broker, you must complete	e questions (b) through (e) separately for e		private fund uses more than
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one prime broker, you must complete (b) Name of the prime broker: CITIGROUP GLOBAL MARKETS	e questions (b) through (e) separately for e		private fund uses more than
one prime broker, you must complete (b) Name of the prime broker: CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered v - CRD Number (if any):	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:	each prime broker.	private fund uses more than
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City:	e questions (b) through (e) separately for e	each prime broker.  tate and country):  Country:	private fund uses more than
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City: LONDON	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st  State:	tate and country): Country: United Kingdom	Yes N
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City: LONDON	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st	tate and country): Country: United Kingdom	private fund uses more than  Yes N
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one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered or CRD Number (if any):  (d) Location of prime broker's office- City: LONDON (e) Does this prime broker act as cu	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st  State:  stodian for some or all of the private fund;  s," respond to questions (b) through (e) be a questions (b) through (e) separately for e	tate and country): Country: United Kingdom 's assets?	Yes M ⊙ (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to a complete of the prime broker is registered to a complete of the prime broker is registered to a complete of the prime broker is registered to a complete of the prime broker and the prime broker act as cut on the prime broker act as cut of the prime broker act as cut of the prime broker, you must complete one prime broker, you must complete one prime broker, you must complete one prime broker, you must complete the prime broker.	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st  State:  stodian for some or all of the private fund;  s," respond to questions (b) through (e) be a questions (b) through (e) separately for e	tate and country): Country: United Kingdom 's assets?	Yes M ⊙ (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered or CRD Number (if any):  (d) Location of prime broker's office- City: LONDON (e) Does this prime broker act as cu	e questions (b) through (e) separately for experiments of the SEC, its registration number:  used principally by the private fund (city, st State:  stodian for some or all of the private fund;  is," respond to questions (b) through (e) be questions (b) through (e) separately for experiments.	tate and country): Country: United Kingdom 's assets?	Yes M ⊙ (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City: LONDON (e) Does this prime broker act as cut  If the answer to question 24.(a) is "you one prime broker, you must complete Up. Name of the prime broker: J.P. MORGAN SECURITIES LLC (c) If the prime broker is registered to	e questions (b) through (e) separately for experiments of the SEC, its registration number:  used principally by the private fund (city, st State:  stodian for some or all of the private fund;  is," respond to questions (b) through (e) be questions (b) through (e) separately for experiments.	tate and country): Country: United Kingdom 's assets?	Yes M ⊙ (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered v  CRD Number (if any):  (d) Location of prime broker's office City: LONDON (e) Does this prime broker act as cu  If the answer to question 24.(a) is "ye one prime broker, you must complete (b) Name of the prime broker: J.P. MORGAN SECURITIES LLC (c) If the prime broker is registered v 8 - 35008  CRD Number (if any): 79	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st  State:  stodian for some or all of the private fund;  stodian fund;  s	tate and country): Country: United Kingdom is assets? elow for each prime broker the <i>private fund</i> uses. If the each prime broker.	Yes M ⊙ (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered v  CRD Number (if any):  (d) Location of prime broker's office City: LONDON (e) Does this prime broker act as cu  If the answer to question 24.(a) is "ye one prime broker, you must complete (b) Name of the prime broker: J.P. MORGAN SECURITIES LLC (c) If the prime broker is registered v  8 - 35008 CRD Number (if any): 79  (d) Location of prime broker's office City:	e questions (b) through (e) separately for e  LIMITED  with the SEC, its registration number:  state:  stodian for some or all of the private fund (city, st  state:  stodian for some or all of the private fund;  s,* respond to questions (b) through (e) by questions (b) through (e) separately for e  with the SEC, its registration number:  used principally by the private fund (city, st  State:	tate and country): Country: United Kingdom is assets? elow for each prime broker the private fund uses. If the each prime broker.	Yes M ⊙ (
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one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to the control of the prime broker is registered to the control of the prime broker's office City:  LONDON (e) Does this prime broker act as cut the prime broker, you must complete to the prime broker;  JP. MORGAN SECURITIES LLC (c) If the prime broker is registered to the prime brok	LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st State:  stodian for some or all of the private fund;  is," respond to questions (b) through (e) be a questions (b) through (e) separately for each of the private fund;  with the SEC, its registration number:  used principally by the private fund (city, st State:  New York  stodian for some or all of the private fund;  stodian for some or all of the private fund;	tate and country): Country: United Kingdom se assets?  elow for each prime broker the private fund uses. If the sach prime broker.  tate and country): Country: United States	Yes N  private fund uses more than  Yes N  € (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City: LONDON (e) Does this prime broker act as cut  If the answer to question 24.(a) is "ye one prime broker, you must complete (b) Name of the prime broker: J.P. MORGAN SECURTIES LLC (c) If the prime broker is registered to 8 - 35008  CRD Number (if any): 79 (d) Location of prime broker's office City: NEW YORK (e) Does this prime broker act as cut  If the answer to question 24.(a) is "ye  If the answer to question	LIMITED  with the SEC, its registration number:  used principally by the private fund (city, st State:  stodian for some or all of the private fund;  is," respond to questions (b) through (e) be a questions (b) through (e) separately for each of the private fund;  with the SEC, its registration number:  used principally by the private fund (city, st State:  New York  stodian for some or all of the private fund;  stodian for some or all of the private fund;	tate and country): Country: United Kingdom is assets?  elow for each prime broker the private fund uses. If the back prime broker.  Country: United States is assets?	Yes N  private fund uses more than  Yes N  € (
one prime broker, you must complete (b) Name of the prime broker:  CITIGROUP GLOBAL MARKETS (c) If the prime broker is registered to CRD Number (if any):  (d) Location of prime broker's office City: LONDON (e) Does this prime broker act as cut  If the answer to question 24.(a) is "ye one prime broker, you must complete (b) Name of the prime broker: J.P. MORGAN SECURTIES LLC (c) If the prime broker is registered to 8 - 35008  CRD Number (if any): 79 (d) Location of prime broker's office City: NEW YORK (e) Does this prime broker act as cut  If the answer to question 24.(a) is "ye  If the answer to question	s questions (b) through (e) separately for a separately f	tate and country): Country: United Kingdom is assets?  elow for each prime broker the private fund uses. If the back prime broker.  Country: United States is assets?	Yes N  private fund uses more than  Yes N  € (

Does the private fundame	ustodians (including the prime bediens	s listed above) to hold some or all of its assets?	
If the answer to question 25.(a)	is "yes," respond to questions (b) throu	ugh (g) below for each custodian the private fund uses.	. If the <i>private fund</i> uses more than o
Additional Custodian Informati	uestions (b) through (g) separately for ion: 17 Record(s) Filed.	each custodian.	
	**************************************		
	a) is "yes," respond to questions (b) the e questions (b) through (g) separately f	rough g) below for each custodian the private fund use for each custodian.	s. If the <i>private fund</i> uses more than
(b) Legal name of custodian: BANCO SANTANDER SA			
(c) Primary business name of			
BANCO SANTANDER SA			
City:	dian's office responsible for custody of	the private fund's assets (city, state and country):  State: Country:	
SANTANDER		Spain	Ye
(e) Is the custodian a related	person of your firm?		0
(f) If the custodian is a broke	er-dealer, provide its SEC registration n	number (if any):	
CRD Number (if any):			
(g) If the custodian is not a b	roker-dealer, or is a broker-dealer but	does not have an SEC registration number, provide its	legal entity identifier (if any)
5493006QMFDDMYWIAM	13		
Make a service to a service OF (	) is 5 5 d to (b) th.	rough g) below for each custodian the private fund use	. Who adopt for discount there
	e questions (b) through (g) separately f		s. If the <i>private fund</i> uses more than
(b) Legal name of custodian: BANK OF NEW YORK ME	ELLON (THE)		
(c) Primary business name of	of custodian:		
BANK OF NEW YORK ME			
(d) The location of the custoo City:	dian's office responsible for custody of State:	the private fund's assets (city, state and country):  Country:	
NEW YORK	New York	United States	v-
(e) Is the custodian a related	person of your firm?		Ye
(f) If the custodian is a broke	er-dealer, provide its SEC registration n	number (if any):	
- CRD Number (if any):			
(g) If the custodian is not a bit HPFHU0OQ28E4N0NFVI		does not have an SEC registration number, provide its	legal entity identifier (if any)
If the answer to question 25.6	a) is "ves." respond to questions (b) the	rough g) below for each custodian the private fund use	es. If the private fund uses more than
	questions (b) through (g) separately t		
(b) Legal name of custodian:			
(b) Legal name of custodian: BNP PARIBAS COMMODI			
(b) Legal name of custodian:	of custodian:		
(b) Legal name of custodian: BNP PARIBAS COMMODI (c) Primary business name of BNP PARIBAS COMMODI (d) The location of the custod	of custodian: ITY FUTURES LIMITED dian's office responsible for <i>custody</i> of	the private fund's assets (city, state and country):	
(b) Legal name of custodian: BNP PARIBAS COMMODI (c) Primary business name of BNP PARIBAS COMMODI	of custodian: ITY FUTURES LIMITED	the <i>private fund's</i> assets (city, state and country):  Country:  United Kingdom	
(b) Legal name of custodian: BNP PARIBAS COMMODI (c) Primary business name of BNP PARIBAS COMMODI (d) The location of the custod City:	of custodian: ITY FUTURES LIMITED dian's office responsible for custody of State:	Country:	Ye C
(b) Legal name of custodian: BNP PARIBAS COMMODI (c) Primary business name of BNP PARIBAS COMMODI (d) The location of the custod City: LONDON	of custodian: ITY FUTURES LIMITED dian's office responsible for custody of State:	Country: United Kingdom	Ye C
(b) Legal name of custodian: BNP PARIBAS COMMODI (c) Primary business name of BNP PARIBAS COMMODI (d) The location of the custod City: LONDON	of custodian: ITY FUTURES LIMITED dian's office responsible for <i>custody</i> of State:  I person of your firm?	Country: United Kingdom	
(b) Legal name of custodian: BNP PARIBAS COMMODI  (c) Primary business name of BNP PARIBAS COMMODI  (d) The location of the custodian: LONDON  (e) Is the custodian a related  (f) If the custodian is a broke  CRD Number (if any):	of custodian: ITY FUTURES LIMITED  dian's office responsible for custody of State:  # person of your firm?  or-dealer, provide its SEC registration of	Country: United Kingdom  number (if any):	c
(b) Legal name of custodian: BNP PARIBAS COMMODI  (c) Primary business name of BNP PARIBAS COMMODI  (d) The location of the custodian: LONDON  (e) Is the custodian a related  (f) If the custodian is a broke  CRD Number (if any):	of custodian: ITY FUTURES LIMITED  dian's office responsible for custody of State:  It person of your firm?  or-dealer, provide its SEC registration or provid	Country: United Kingdom	c
(b) Legal name of custodian: BNP PARIBAS COMMODI  (c) Primary business name of BNP PARIBAS COMMODI  (d) The location of the custodian: LONDON  (e) Is the custodian a related  (f) If the custodian is a broke  CRD Number (if any):  (g) If the custodian is not a bi	of custodian: ITY FUTURES LIMITED  dian's office responsible for custody of State:  It person of your firm?  or-dealer, provide its SEC registration or provid	Country: United Kingdom  number (if any):	c
(b) Legal name of custodian: BNP PARIBAS COMMODI  (c) Primary business name of BNP PARIBAS COMMODI  (d) The location of the custodian: City: LONDON  (e) Is the custodian a related  (f) If the custodian is a broke  CRD Number (if any):  (g) If the custodian is not a bit 5493008J1H7T08EQEUG	of custodian: ITY FUTURES LIMITED  dian's office responsible for custody of State:	Country: United Kingdom  number (if any):  does not have an SEC registration number, provide its  rough g) below for each custodian the private fund use	C legal entity identifier (if any)
(b) Legal name of custodian: BNP PARIBAS COMMODI  (c) Primary business name of BNP PARIBAS COMMODI  (d) The location of the custodian: City: LONDON  (e) Is the custodian a related  (f) If the custodian is a broke  CRD Number (if any):  (g) If the custodian is not a bit 5493008J1H7T08EQEUG	of custodian: ITY FUTURES LIMITED  dian's office responsible for custody of State:  It person of your firm?  or-dealer, provide its SEC registration of your firm?  oroker-dealer, or is a broker-dealer but of your firm?  a) is "yes," respond to questions (b) the questions (b) through (g) separately to the processor of the your firm?	Country: United Kingdom  number (if any):  does not have an SEC registration number, provide its  rough g) below for each custodian the private fund use	C legal entity identifier (if any)

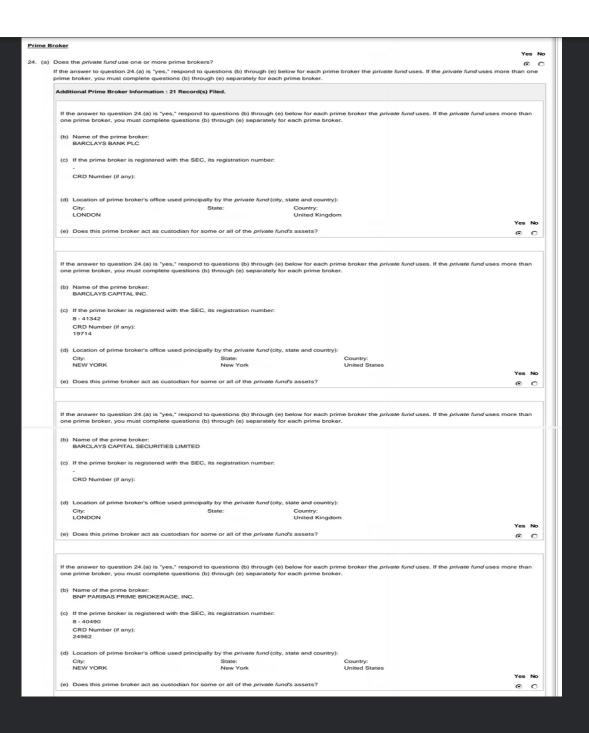
If the answer to qu				
		ugh (g) separately for each cus	odian.	
(b) Legal name o BOFA SECUR				
(c) Primary busin BOFA SECUR	ness name of custodian:			
		sible for <i>custody</i> of the <i>private</i> f	und's assets (city, state and country):	
City: NEW YORK		State: New York	Country: United States	
(e) Is the custodi	an a related person of your firm	1?		Yes No
(f) If the custodia	an is a broker-dealer, provide its	s SEC registration number (if an	у):	
8 - 69787 CRD Number	(if any):			
283942			050	
	IKV1E2R3U73	a broker-dealer but does not hav	e an SEC registration number, provide its legal e	nny idenuner (ii any)
		to questions (b) through g) belough (g) separately for each cus	ow for each custodian the <i>private fund</i> uses. If the todian.	private fund uses more than one
(b) Legal name o				
(c) Primary busin CITADEL CLE	ness name of custodian: EARING LLC			
	of the custodian's office respon-	sible for custody of the private for	und's assets (city, state and country):  Country:	
City: CHICAGO		Illinois	United States	Yes No
(e) Is the custodi	an a related person of your firm	1?		© 0
(f) If the custodia	on is a broker dealer provide itse	s SEC registration number (if an	y):	
	in is a broker-dealer, provide its	o ce o regionalier riumber (ii al		
8 - 69521 CRD Number				
8 - 69521 CRD Number 172693	(if any):			
8 - 69521 CRD Number 172693	(if any): an is not a broker-dealer, or is a		e an SEC registration number, provide its legal e	ntity identifier (if any)
8 - 69521 CRD Number 172693  (g) If the custodia 549300117IJ4  If the answer to queue custodian, you mut (b) Legal name of the custodian of th	(if any): an is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respond ust complete questions (b) thro of custodian:	a broker-dealer but does not hav	ow for each custodian the <i>private fund</i> uses. If the	
8 - 69521 CRD Number 172893 (g) If the custodia 549300117LJ4 If the answer to quoustodian, you mu (b) Legal name of CITIBANK, N.J. (c) Primary busin	(if any): an is not a broker-dealer, or is a CW6Q9N27  uestion 25.(a) is "yes," respond ust complete questions (b) thro of custodian: A.	a broker-dealer but does not have	ow for each custodian the <i>private fund</i> uses. If the	
8 - 69521 CRD Number 172693  (g) If the custodia 549300117J4  If the answer to questodian, you mutually to the custodian, you mutually to the custodian you mutually to the custodian you will be custodian you mutually to the custodian you mutually to the custodian you will be custodian. You will be custodian yo	(if any): an is not a broker-dealer, or is a ICW6Q9N27 uestion 25.(a) is "yes," respond ust complete questions (b) thro of custodian: A. hess name of custodian: A.	a broker-dealer but does not have a broker-dealer but does not have leading to the le	ow for each custodian the <i>private fund</i> uses. If the odian.	
B - 69521 CRD Number 17293  (g) If the custodia 549300117J4  If the answer to questodian, you mute of the custodian, you mute of the custodian of the	(if any): an is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respond ust complete questions (b) thro of custodian: A. heess name of custodian: A. of the custodian's office respon	a broker-dealer but does not have a broker-dealer but does not have been does not be been does not b	ow for each custodian the <i>private fund</i> uses. If the odian.  If the content of the private fund uses is the content of the private fund uses. If the content of the private fund uses is the content of the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private fund uses is the private fund uses. If the private fund uses is the private	
B - 69521 CRD Number 172693  (g) If the custodic 549300117LJ4  If the answer to queutstodian, you mu (b) Legal name of CITIBANK, NJ (c) Primary busin CITIBANK, NJ (d) The location of City: GREENWICH	(if any): an is not a broker-dealer, or is a ICWGQ9N27  uestion 25.(a) is "yes," respond ust complete questions (b) thro of custodian: A. hess name of custodian: A. of the custodian's office respond	a broker-dealer but does not have been dealer but does not do does not do does not do does not do do	ow for each custodian the <i>private fund</i> uses. If the odian.	private fund uses more than one
B - 69521 CRD Number 172693  (g) If the custodic 549300117J4  If the answer to queutodian, you mid to CITIBANK, NJ.  (c) Primary busin CITIBANK, NJ.  (d) The location of City. GREENWICH  (e) Is the custodia	in is not a broker-dealer, or is a CW8Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through custodian: A.  hess name of custodian: A.  of the custodian's office respondust are letted person of your firm	a broker-dealer but does not have been dealer but does not do does not does not do does not do does not do does not do does not does not do	ow for each custodian the <i>private fund</i> uses. If the lodian.  If the lodian is a second i	private fund uses more than one
8 - 69521 CRD Number 17293  (g) If the custodia 549300117J4  If the answer to questodian, you mute of the custodian, you mute of the custodian of the location of the custodian o	(if any):  an is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through custodian: A.  beth custodian: A.  of the custodian's office respondus an a related person of your firm an is a broker-dealer, provide it	a broker-dealer but does not have been dealer but does not do does not do does not do does not do do	ow for each custodian the <i>private fund</i> uses. If the lodian.  If the lodian is a second i	private fund uses more than one
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B - 69521 CRD Number 172693  (g) If the custodia 549300117LJ4  If the answer to queutodian, you multiple of the custodian, you multiple of the custodian, you multiple of the custodian, you multiple of the custodian of the custo	an is not a broker-dealer, or is a ICW8Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through custodian: A.  hess name of custodian: A.  of the custodian's office respondian an a related person of your firm an is a broker-dealer, provide litt (if any):	a broker-dealer but does not have a brok	ow for each custodian the <i>private fund</i> uses. If the lodian.  If the lodian is a second i	private fund uses more than one  Yes No
8 - 69521 CRD Number 172693  (g) If the custodia 549300117LJ4  If the answer to questodian, you mu  (b) Legal name of CITIBANK, N.J.  (c) Primary busing CITIBANK, N.J.  (d) The location of City: GREENWICH  (e) Is the custodian of CRD Number  (GRD Number)  (g) If the custodian of CRD Number  (g) If the custodian of CRD Number	an is not a broker-dealer, or is a CW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through custodian: A.  hess name of custodian: A.  of the custodian's office respondian a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a	a broker-dealer but does not have a brok	ow for each custodian the <i>private fund</i> uses. If the todian.  If the und's assets (city, state and country):  Country:  United States	private fund uses more than one Yes No.
B - 69521 CRD Number 17293  (g) If the custodia 5493001171J4  If the answer to questodian, you mut (b) Legal name of CITIBANK, NJ (c) Primary busing CITIBANK, NJ (d) The location of City: GREENWICH (e) Is the custodia CRD Number (FRD Number 1970)  (g) If the custodia E57ODZWZ7i	(if any):  an is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through custodian:  A.  bether the custodian:  an a related person of your firm an is a broker-dealer, provide litting it is not a broker-dealer, or is a FF32TWEFA76  uestion 25.(a) is "yes," responduses."	a broker-dealer but does not have been dealer but does not have	ow for each custodian the <i>private fund</i> uses. If the ordinan.  If the ordinan country:  Country:  United States  Y):  The an SEC registration number, provide its legal enterprivate fund uses. If the private fund uses. If the private fund uses. If the ordinance is the ordinance of the private fund uses.	private fund uses more than one  Yes No  C  C  Intity identifier (if any)
B - 69521 CRD Number 17293  (g) If the custodia 549300117J4  If the answer to questodian, you mute of the custodian, you mute of the custodian, you mute of the custodian of the	(if any):  an is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) throof custodian:  A.  bothe custodian's office respondian and a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a PFF32TWEFA76  uestion 25.(a) is "yes," respondust complete questions (b) throof custodian:	a broker-dealer but does not have a brok	ow for each custodian the <i>private fund</i> uses. If the ordinan.  If the ordinan country:  Country:  United States  Y):  The an SEC registration number, provide its legal enterprivate fund uses. If the private fund uses. If the private fund uses. If the ordinance is the ordinance of the private fund uses.	private fund uses more than one  Yes No  C  C  intity identifier (if any)
B - 69521 CRD Number 17293  (g) If the custodia 549300117J4  If the answer to questodian, you mute of the custodian, you mute of the custodian, you mute of the custodian of the	an is not a broker-dealer, or is a CW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) thrown of custodian: A.  these name of custodian: A.  of the custodian's office respondian and a related person of your firm an is a broker-dealer, provide itt (if any):  an is not a broker-dealer, or is a FF32TWEFA76  uestion 25.(a) is "yes," respondust complete questions (b) throws	a broker-dealer but does not have a brok	ow for each custodian the <i>private fund</i> uses. If the ordinan.  If the ordinan country:  Country:  United States  Y):  The an SEC registration number, provide its legal enterprivate fund uses. If the private fund uses. If the private fund uses. If the ordinance is the ordinance of the private fund uses.	private fund uses more than one  Yes No  C  C  intity identifier (if any)
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8 - 69521 GRD Number 172693  (g) If the custodia 549300117J4  If the answer to questodian, you mid (b) Legal name of CITIBANK, NJ.  (c) Primary busin CITIBANK, NJ.  (d) The location of City: GREENWICH  (e) Is the custodia - GRD Number  (g) If the custodia - GRD Number  (g) If the custodia - GRD Number  (g) If the custodian, you mid the custodian of CITIGROUP (c) Primary busin CITIGROUP (d) The location of the custodian of the custodian of CITIGROUP (d) The location of the custodian of the cus	in is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through the custodian:  A.  in the custodian:  an a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a FF32TWEFA76  uestion 25.(a) is "yes," respondust complete questions (b) through custodian:  SLOBAL MARKETS LIMITED in the set of custodian:  SLOBAL MARKETS LIMITED	a broker-dealer but does not have been dealer but does not have been does	ow for each custodian the <i>private fund</i> uses. If the lodian.  If the private fund uses. If the lodian.  If the lodian.  If the lodian.	private fund uses more than one  Yes No  ©  ©
8 - 69521 GRD Number 172693  (g) If the custodia 549300117J4  If the answer to questodian, you mute of the custodian, you mute of the custodian, you mute of the custodian of th	in is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through the custodian:  A.  in the custodian:  an a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a FF32TWEFA76  uestion 25.(a) is "yes," respondust complete questions (b) through custodian:  SLOBAL MARKETS LIMITED in the set of custodian:  SLOBAL MARKETS LIMITED	a broker-dealer but does not have a brok	ow for each custodian the <i>private fund</i> uses. If the todian.  and's assets (city, state and country): Country: United States  by:  The an SEC registration number, provide its <i>legal</i> event of the country of the coun	Private fund uses more than one  Yes No  C  C  Intity identifier (if any)
8 - 69521 CRD Number 172693  (g) If the custodia 549300117J4  If the answer to questodian, you mix (b) Legal name of CITIBANK, NJ.  (c) Primary busin CITIBANK, NJ.  (d) The location of City: GREENWICH  (e) Is the custodia - CRD Number  (g) If t	in is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) through the custodian:  A.  in the custodian:  an a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a FF32TWEFA76  uestion 25.(a) is "yes," respondust complete questions (b) through custodian:  SLOBAL MARKETS LIMITED in the set of custodian:  SLOBAL MARKETS LIMITED	a broker-dealer but does not have been dealer but does not have been does not h	ow for each custodian the <i>private fund</i> uses. If the ordian.  und's assets (city, state and country):  Country: United States  by:  The an SEC registration number, provide its legal encountry is the country in the country is the country in the country is the country in the country is assets (city, state and country):  Country:  Country:	Private fund uses more than one  Yes No  C  C  Intity identifier (if any)
8 - 69521 CRD Number 172693  (g) If the custodia 549300117J4  If the answer to questodian, you must open custodian, you must open custodian open custodian open custodian, you must open custodian,	in is not a broker-dealer, or is a ICW6Q9N27  uestion 25.(a) is "yes," respondust complete questions (b) thrown of custodian:  A.  these name of custodian:  A.  these name of custodian:  an a related person of your firm an is a broker-dealer, provide its (if any):  an is not a broker-dealer, or is a present of the custodian:  SLOBAL MARKETS LIMITED these name of custodian:  BLOBAL MARKETS LIMITED of the custodian's office respondance of the custo	a broker-dealer but does not have been dealer but does not have been does not h	ow for each custodian the <i>private fund</i> uses. If the lodian.  and's assets (city, state and country): Country: United States  by:  Ye an SEC registration number, provide its <i>legal</i> events of the country of the lodian.	private fund uses more than one  Yes No  ntity identifier (if any)

	URITIES CORPORATION		
(c) Primary business name of COMPUTERSHARE SEC			
	dian's office responsible for custody of the pr		
City: CHICAGO	State: Illinois	Country: United States	
(e) Is the custodian a related	person of your firm?		Ye
(f). If the custodian is a broke	r-dealer, provide its SEC registration numbe	r fit anyl-	
8 - 53022	r dealer, provide no dele registration name	· (iii dairy).	
CRD Number (if any): 107023			
(g) If the custodian is not a bo	roker-dealer, or is a broker-dealer but does r	oot have an SEC registration number, provide its legal en	ntity identifier (if any)
If the answer to question 25.(a custodian, you must complete	a) is "yes," respond to questions (b) through questions (b) through (g) separately for ear	<li>g) below for each custodian the private fund uses. If the th custodian.</li>	private fund uses more than
(b) Legal name of custodian:			
J. ARON & COMPANY LLC			
(c) Primary business name of J. ARON & COMPANY LLC			
	dian's office responsible for custody of the pr		
City: NEW YORK	State: New York	Country: United States	
(e) Is the custodian a related	person of your firm?		Ye
(f) If the custodian is a broke	r-dealer, provide its SEC registration numbe	r (if any):	
- CRD Number (if any):			
CKD Namber (ii arry).			
		ot have an SEC registration number, provide its legal e	ntity identifier (if any)
MXKQVM4U1OHBQWFP0	G196	g) below for each custodian the <i>private fund</i> uses. If the	
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete  (b) Legal name of custodian; J.P. MORGAN SECURITII  (c) Primary business name of	a) is "yes," respond to questions (b) through questions (b) through (g) separately for each section (b) through (g) separately for each section (c) through (g) sectio	g) below for each custodian the <i>private fund</i> uses. If the	
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete  (b) Legal name of custodian: J.P. MORGAN SECURITIE	a) is "yes," respond to questions (b) through questions (b) through (g) separately for each section (b) through (g) separately for each section (c) through (g) sectio	g) below for each custodian the <i>private fund</i> uses. If the	
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITIE  J.P. MORGAN SECURITIE  (d) The location of the custor	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies LLC of custodian:	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian is a constant of the custodian is a constant of the custodian is a custodian in the custodian in the custodian is a custodian in the custodian is a custodian in the custodian in the custodian is a custodian in the custodian in the custodian is a custodian in the custodian in the custodian is a custodian in the custodian in the custodian in the custodian is a custodian in the cust	
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII (c) Primary business name of J.P. MORGAN SECURITII	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies LLC	g) below for each custodian the <i>private fund</i> uses. If the th custodian.	private fund uses more than
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  (c) Primary business name of J.P. MORGAN SECURITII  (d) The location of the custocity City:	a) is "yes," respond to questions (b) through of questions (b) through (g) separately for earlies the control of custodian:  ES LLC  dian's office responsible for custody of the property State:  New York	g) below for each custodian the <i>private fund</i> uses. If the h custodian.  If the private fund uses if the custodian the private fund uses. If the custodian the private fund uses it is the custodian the private fund uses it is the custodian the private fund uses it is the custodian the cu	private fund uses more than
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian. J.P. MORGAN SECURITIE (c) Primary business name of J.P. MORGAN SECURITIE (d) The location of the custodian; NEW YORK (e) Is the custodian a related (f) If the custodian is a broke	a) is "yes," respond to questions (b) through of questions (b) through (g) separately for earlies the control of custodian:  ES LLC  dian's office responsible for custody of the property State:  New York	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the ch custodian is the control of the custodian is the custodia	private fund uses more than
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian. J.P. MORGAN SECURITIE (c) Primary business name of J.P. MORGAN SECURITIE (d) The location of the custodian; NEW YORK (e) Is the custodian a related (f) If the custodian is a broke 8 - 35008 CRD Number (if any):	a) is "yes," respond to questions (b) through a questions (b) through (g) separately for each continuous of the separately for each continuous of the separately for each continuous contin	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the ch custodian is the control of the custodian is the custodia	private fund uses more than
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITI  C) Primary business name of J.P. MORGAN SECURITI  (d) The location of the custodian: NEW YORK  (e) Is the custodian a related  (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79	a) is "yes," respond to questions (b) through a questions (b) through (g) separately for earlies LLC of custodian:  ES LLC State:  New York  I person of your firm?  re-dealer, provide its SEC registration number	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the ch custodian is the control of the custodian is the custodia	private fund uses more than
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITI  C) Primary business name of J.P. MORGAN SECURITI  (d) The location of the custodian: NEW YORK  (e) Is the custodian a related  (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies the provided of custodian:  ES LLC  State:  New York  Person of your firm?  Ardealer, provide its SEC registration number of the provided of th	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the ch custodian is the control of the custodian is the custodia	private fund uses more than
MXKQVM4U10HBQWFPG  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  J.P. MORGAN SECURITII  (d) The location of the custodian: City: NEW YORK  (e) Is the custodian a related (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a b ZBUT11V806EZRVTWT9	a) is "yes," respond to questions (b) through questions (b) through questions (b) through questions (b) through (g) separately for earlies that the property of your firm?  I person of your firm?  In-dealer, provide its SEC registration number of your firm?	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian.  If the private fund's assets (city, state and country):  Country: United States  If (if any):  Out have an SEC registration number, provide its legal or the private fund uses. If the private fund uses.	private fund uses more than  Ye Continued the state of th
MXKQVM4U10HBQWFPG  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  J.P. MORGAN SECURITII  (d) The location of the custodian: City: NEW YORK  (e) Is the custodian a related (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a b ZBUT11V806EZRVTWT9	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies LLC  ES LLC  State:  New York  I person of your firm?  r-dealer, provide its SEC registration number of the second of	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian.  If the private fund's assets (city, state and country):  Country: United States  If (if any):  Out have an SEC registration number, provide its legal or the private fund uses. If the private fund uses.	private fund uses more than  Ye Continued the state of th
MXKQVM4U10HBQWFPG  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  J.P. MORGAN SECURITII  (d) The location of the custodian: City: NEW YORK  (e) Is the custodian a related (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a b ZBUT11V806EZRVTWT9	a) is "yes," respond to questions (b) through questions (b) through questions (b) through (g) separately for earlies LLC  If custodian:  ES LLC  State: New York  I person of your firm?  r-dealer, provide its SEC registration number of the person of your firm?  response to your firm?	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian.  If the private fund's assets (city, state and country):  Country: United States  If (if any):  Out have an SEC registration number, provide its legal or the private fund uses. If the private fund uses.	private fund uses more than  Ye Continued the state of th
MXKQVM4U10HBQWFP6  If the answer to question 25.(custodian., you must complete (b) Legal name of custodian. J.P. MORGAN SECURITIE (c) Primary business name of J.P. MORGAN SECURITIE (d) The location of the custodian of the custodian of the custodian of the custodian is a broke 8 - 35008 CRD Number (if any): 79 (g) If the custodian is not a b ZBUT11V806EZRVTWT9  If the answer to question 25.(custodian., you must complete (b) Legal name of custodians	a) is "yes," respond to questions (b) through questions (b) through questions (b) through questions (b) through (g) separately for earlies LLC  State:  New York  I person of your firm?  In-dealer, provide its SEC registration number of your firm?  Toker-dealer, or is a broker-dealer but does not your firm of your fi	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian.  If the private fund's assets (city, state and country):  Country: United States  If (if any):  Out have an SEC registration number, provide its legal or the private fund uses. If the private fund uses.	private fund uses more than  Ye Continued the state of th
MXKQVM4U10HBQWFPC  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  (c) Primary business name of J.P. MORGAN SECURITII  (d) The location of the custodian: Ciby: NEW YORK  (e) Is the custodian a related  (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a big 2BUT11V806EZRVTWT8  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian. JP MORGAN DUBLIN PUI  (c) Primary business name of JP MORGAN DUBLIN PUI  (d) The location of the custod  (d) The location of the custod  (d) The location of the custod	a) is "yes," respond to questions (b) through (g) separately for earlies the property of custodian:  ES LLC  State: New York  I person of your firm?  In-dealer, provide its SEC registration number of your firm?  In-dealer, provide its SEC registration number of your firm?  In-dealer, or is a broker-dealer but does not your firm.  In the provide its SEC registration number of your firm?  In the provide its SEC registration number of your firm?  In the provide its SEC registration number of your firm?  In the provide its SEC registration number of your firm?  It custodian:	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian the private fund uses. If the ch custodian the private fund's assets (city, state and country):  Country: United States  of (if any):  On the custodian the private fund uses. If the custodian.	private fund uses more than  Ye Continued the state of th
MXKQVM4U10HBQWFP0  If the answer to question 25.(custodian, you must complete  Legal name of custodian. J.P. MORGAN SECURITII  (c) Primary business name of J.P. MORGAN SECURITII  (d) The location of the custodian; NEW YORK  (e) Is the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a big 2BUT11V806EZRVTWT6  If the answer to question 25.(custodian, you must complete custodian, you must complete custodian, you must complete custodian. JP MORGAN DUBLIN PUI  (c) Primary business name of JP MORGAN DUBLIN PUI  (d) Primary business name of JP MORGAN DUBLIN PUI  (d) Primary business name of JP MORGAN DUBLIN PUI	a) is "yes," respond to questions (b) through questions (b) through questions (b) through questions (b) through (g) separately for earlies LLC  If custodian:  ES LLC  State:  New York  I person of your firm?  In-dealer, provide its SEC registration number of the person of your firm?  Indealer, provide its SEC registration number of your firm?  Indealer, provide its SEC registration number of your firm?  Indealer, or is a broker-dealer but does not your questions (b) through (g) separately for earlies you guestions (b) through (g) separately for earlies of the young through (g) separately for earlies of through (g) separately for earlies of the yo	g) below for each custodian the <i>private fund</i> uses. If the th custodian.  If the custodian the private fund uses. If the custodian the fund's assets (city, state and country):  Country: United States  If (if any):  If the custodian the private fund uses. If the custodian.	private fund uses more than  Ye C  ntity identifier (if any)
MXKQVM4U10HBQWFPC  If the answer to question 25.(custodian, you must complete  Legal name of custodian. J.P. MORGAN SECURITIE  (c) Primary business name of J.P. MORGAN SECURITIE  (d) The location of the custodian; NEW YORK  (e) Is the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a b ZBUT11V806EZRVTWT8  If the answer to question 25.(custodian, you must complete  (b) Legal name of custodian: J.P. MORGAN DUBLIN PUI  (c) Primary business name of J.P. MORGAN DUBLIN PUI  (d) The location of the custodian; City:	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies that the property of the proper	g) below for each custodian the <i>private fund</i> uses. If the custodian.  Ivate fund's assets (city, state and country):  Country: United States  or (if any):  ot have an SEC registration number, provide its legal each custodian.  If the custodian.	private fund uses more than  Yes C
MXKQVM4U10HBQWFPC  If the answer to question 25.(custodian, you must complete (b) Legal name of custodian: J.P. MORGAN SECURITII  (c) Primary business name of J.P. MORGAN SECURITII  (d) The location of the custodian: City: NEW YORK  (e) Is the custodian a related  (f) If the custodian is a broke 8 - 35008 CRD Number (if any): 79  (g) If the custodian is not a bigger of the custodian is not a bigger of the custodian, you must complete (b) Legal name of custodian. J.P. MORGAN DUBLIN PUI  (c) Primary business name of J.P. MORGAN DUBLIN PUI  (d) The location of the custodian; OUBLIN PUI  (e) Is the custodian a related	a) is "yes," respond to questions (b) through questions (b) through (g) separately for earlies that the property of the proper	g) below for each custodian the <i>private fund</i> uses. If the ch custodian.  If the custodian the private fund uses. If the custodian the fund's assets (city, state and country):  Country: United States  If the custodian the private fund uses. If the custodian.  If the custodian the fund's assets (city, state and country):  Country: Ireland	private fund uses more than  Yer  C  natity identifier (if any)

	f the answer to question 25.(a) is "yes," respond to questions, you must complete questions (b) through (s		todian the <i>private fund</i> uses. If the <i>private fund</i> uses more th	an one	
(	b) Legal name of custodian: JPMORGAN CHASE BANK, N.A.				
(	c) Primary business name of custodian: JPMORGAN CHASE BANK, N.A.				
(	d) The location of the custodian's office responsible f City: NEW YORK	for custody of the private fund's assets (cit State: New York	y, state and country): Country: United States		
Ш,	e) Is the custodian a related person of your firm?	THEW TORK		Yes No	
	f) If the custodian is a broker-dealer, provide its SEC	registration number (if any):			
	- CRD Number (if any):				
-	<li>g) If the custodian is not a broker-dealer, or is a broke 7H6GLXDRUGQFU57RNE97</li>	er-dealer but does not have an SEC regis	tration number, provide its legal entity identifier (if any)		11
	f the answer to question 25.(a) is "yes," respond to qu custodian, you must complete questions (b) through (ς		todian the <i>private fund</i> uses. If the <i>private fund</i> uses more th	an one	
	b) Legal name of custodian: MERRILL LYNCH PROFESSIONAL CLEARING CO	OPP			
Ш,	c) Primary business name of custodian:	JRP.			
Ш,	MERRILL LYNCH PROFESSIONAL CLEARING CO	DRP.			
	<ul> <li>The location of the custodian's office responsible f City:</li> </ul>	for custody of the private fund's assets (city State:	y, state and country): Country:		
	NEW YORK	New York	United States	Yes No	
9	e) Is the custodian a related person of your firm?			0 0	
	f) If the custodian is a broker-dealer, provide its SEC 8 - 33359 CRD Number (if any): 16139	: registration number (if any):			
Ш.		or douler but does not have an SEC regio	tration number, provide its legal entity identifier (if any)		
Ľ	<ol> <li>If the custodian is not a broker-dealer, or is a broke 549300PMHS66E71I2D34</li> </ol>	er-dealer but does not have an SEC regis	tration number, provide its <i>legal entity identifier</i> (if any)		
(	f the answer to question 25.(a) is "yes," respond to questional, you must complete questions (b) through (g) b) Legal name of custodian: SG AMERICAS SECURITIES, LLC c) Primary business name of custodian: SG AMERICAS SECURITIES, LLC		todian the <i>private fund</i> uses. If the <i>private fund</i> uses more th	an one	
Ш,	The location of the custodian's office responsible f	for custody of the private fund's assets (cit	v. state and country):		
Ш.	City:	State: New York	Country: United States		
	e) Is the custodian a related person of your firm?			Yes No	
Ш,	f) If the custodian is a broker-dealer, provide its SEC	registration number (if any):			
	8 - 66125 CRD Number (if any): 128351				
(	<li>g) If the custodian is not a broker-dealer, or is a broker 549300F3SUE0BOM1WJ55</li>	er-dealer but does not have an SEC regis	tration number, provide its legal entity identifier (if any)		
(	If the answer to question 25.(a) is "yes," respond to questioning, you must complete questions (b) through (g) b) Legal name of custodian: SOCIETE GENERALE INTERNATIONAL LIMITED c) Primary business name of custodian: SOCIETE GENERALE INTERNATIONAL LIMITED		todian the <i>private fund</i> uses. If the <i>private fund</i> uses more th	an one	
	The location of the custodian's office responsible f     City:     State		y, state and country):		
	LONDON	United Kingdon	n	Yes No	
	-) to the event disc a soluted account of view from 0				
	e) Is the custodian a related person of your firm?			0 0	
(	f) If the custodian is a broker-dealer, provide its SEC	registration number (if any):		0 0	
(		: registration number (if any):		0 0	

If the answer to question 25.(a) is "yes," respond to questions (b) through g) below for each custodian the private fund uses. If the private fund uses more than one custodian, you must complete questions (b) through (g) separately for each custodian. (b) Legal name of custodian: STANDARD CHARTER BANK (c) Primary business name of custodian: STANDARD CHARTER BANK (d) The location of the custodian's office responsible for custody of the private fund's assets (city, state and country): State: Country: United Kingdom (e) Is the custodian a related person of your firm? 0 0 (f) If the custodian is a broker-dealer, provide its SEC registration number (if any): (g) If the custodian is not a broker-dealer, or is a broker-dealer but does not have an SEC registration number, provide its legal entity identifier (if any) 26. (a) Does the private fund use an administrator other than your firm? If the answer to question 26.(a) is "yes," respond to questions (b) through (f) below. If the private fund uses more than one administrator, you must complete questions (b) through (f) separately for each administrator. If the answer to question 26.(a) is "yes," respond to questions (b) through (f) below. If the private fund uses more than one administrator, you must complete questions (b) through (f) separately for each administrator. NORTHERN TRUST HEDGE FUND SERVICES LLC (d) Is the administrator a related person of your firm? 00 (e) Does the administrator prepare and send investor account statements to the private fund's investors? OYes (provided to all investors) OSome (provided to some but not all investors) (f) If the answer to question 26.(e) is "no" or "some," who sends the investor account statements to the (rest of the) private fund's investors? If investor account statements are not sent to the (rest of the) private fund's investors, respond "not applicable."

NOT APPLICABLE



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	If the answer to question 24.(a) is "yes one prime broker, you must complete			the private fund uses. If the private fund uses more	e than
	(b) Name of the prime broker: CITADEL CLEARING LLC				
	(c) If the prime broker is registered wi	th the SEC, its registration number:			
	8 - 69521 CRD Number (if any): 172693				
	(d) Location of prime broker's office us	sed principally by the private fund (city	v state and country):		
	City: CHICAGO	State: Illinois	Country: United States		
	(e) Does this prime broker act as cust	odian for some or all of the private fu	nd's assets?		Yes No ⊙ ○
ľ					
	one prime broker, you must complete			the private fund uses. If the private fund uses more	than
	(b) Name of the prime broker: CITIGROUP GLOBAL MARKETS II	NC.			
	(c) If the prime broker is registered wi 8 - 8177	th the SEC, its registration number:			
	CRD Number (if any): 7059				
	(d) Location of prime broker's office us City:	sed principally by the private fund (city	v, state and country):  Country:		
	NEW YORK	New York	United \$	States	Yes No
	(e) Does this prime broker act as cust	odian for some or all of the private fu	nd's assets?		O
	If the answer to question 24.(a) is "yes one prime broker, you must complete			the private fund uses. If the private fund uses more	than
	(b) Name of the prime broker: CITIGROUP GLOBAL MARKETS L	IMITED			
	(c) If the prime broker is registered wi				
	- CRD Number (if any):	ar the SEO, its registration number.			
	(d) Location of prime broker's office us City:	sed principally by the private fund (city State:	, state and country): Country:		
	LONDON		United Kingdom	40.00	Yes No
ľ	(e) Does this prime broker act as cust	odian for some or all of the private fu	nd's assets?	<u> </u>	⊙ ○
	If the answer to question 24.(a) is "yes	," respond to questions (b) through (e	) below for each prime broker	the private fund uses. If the private fund uses more	e than
	one prime broker, you must complete	questions (b) through (e) separately f	or each prime broker.		
	(b) Name of the prime broker: CREDIT SUISSE SECURITIES (EU	JROPE) LIMITED			
	(c) If the prime broker is registered wi	th the SEC, its registration number:			
	CRD Number (if any):				
	(d) Location of prime broker's office u	sed principally by the private fund (city	, state and country):		
	City: LONDON	State:	Country: United Kingdom		
	(e) Does this prime broker act as cus	odian for some or all of the private fu	nd's assets?		Yes No ⊙ ⊜
	If the answer to question 24.(a) is "yes one prime broker, you must complete			the private fund uses. If the private fund uses more	e than
	(b) Name of the prime broker: CREDIT SUISSE SECURITIES (U:	SA) LLC			
	(c) If the prime broker is registered wi	th the SEC, its registration number:			
	8 - 422 CRD Number (if any): 816				
	(d) Location of prime broker's office us				
	City: NEW YORK	State: New York	Country: United S	States	
				, man and 1	Yes No

		yes," respond to questions (b) the ate questions (b) through (e) sep			fuses. If the private fund uses	more than
(b)	Name of the prime broker: DEUTSCHE BANK AG LONDO	N BRANCH				
(6)		d with the SEC, its registration n	umber			
(0)	-	with the SEO, ha registration is	amour.			
	CRD Number (if any):					
(d	Location of prime broker's office	e used principally by the private	fund (city, state and country)	:		
	City: LONDON	State:	Country: United Kingdo	m		
(e)	Does this prime broker act as	custodian for some or all of the	private fund's assets?			Yes No
						0 0
		yes," respond to questions (b) the tet questions (b) through (e) sep			uses. If the private fund uses	more than
(b)	Name of the prime broker: DEUTSCHE BANK SECURITIE	S INC.				
(c)		d with the SEC, its registration n	umber:			
	8 - 17822 CRD Number (if any):					
	2525					
(di	Location of prime broker's office City:	e used principally by the private State:	fund (city, state and country)	: Country:		
	NEW YORK	New York		United States		Yes No
(e)	Does this prime broker act as	custodian for some or all of the	private fund's assets?			· · ·
	GOLDMAN SACHS & CO. LLC					
	8 - 129 CRD Number (if any): 361 Location of prime broker's offic City:	d with the SEC, its registration or distributed with the SEC, its registration or distributed with the second of t		Country:		
	8 - 129 CRD Number (if any): 361 Location of prime broker's office	e used principally by the <i>private</i>				Yes No
(d	8 - 129 CRD Number (if any): 361 Location of prime broker's officing: NEW YORK	e used principally by the <i>private</i> State:	fund (city, state and country)	Country:		Yes No ⊙ ○
(d)	8 - 129 CRD Number (if any): 361 Location of prime broker's offic City: NEW YORK Does this prime broker act as the answer to question 24.(a) is a	e used principally by the <i>private</i> State: New York	fund (city, state and country)  private fund's assets?	Country: United States	uses. If the <i>private fund</i> uses t	⊙ C
(d)	8 - 129 CRD Number (if any): 361  Location of prime broker's officible: NEW YORK  Does this prime broker act as the answer to question 24.(a) is <sup>1</sup>	e used principally by the <i>private</i> State: New York custodian for some or all of the <i>p</i> yes,* respond to questions (b) the questions (b) through (e) sep	fund (city, state and country) private fund's assets?	Country: United States	uses. If the <i>private fund</i> uses i	<b>⊙</b> C
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	e prime broker, you must complete questions (b			
	Name of the prime broker:			
,	J.P. MORGAN SECURITIES LLC			
(c)	If the prime broker is registered with the SEC,	its registration number:		
	8 - 35008			
	CRD Number (if any): 79			
(d)	Location of prime broker's office used principa	lly by the private fund (city, state and country	۸۰	
	City:	State:	Country:	
	NEW YORK	New York	United States	Yes
(e)	Does this prime broker act as custodian for so	ome or all of the private fund's assets?	6.8	•
	ne answer to question 24.(a) is "yes," respond to prime broker, you must complete questions (b			ses. If the <i>private fund</i> uses more that
(b)	Name of the prime broker: MERRILL LYNCH INTERNATIONAL			
c)	If the prime broker is registered with the SEC,	its registration number:		
	CRD Number (if any):			
d)	Location of prime broker's office used principa	lly by the private fund (city, state and country	):	
	City: LONDON	State: Country: United Kingd	om	
	London	omed range		Yes
e)	Does this prime broker act as custodian for so	ome or all of the private fund's assets?		•
d)	CRD Number (if any): 16139 Location of prime broker's office used principa	lly by the <i>private fund</i> (city, state and country	·):	
	City:	State:	Country:	
	NEW YORK	New York	Country: United States	Yes
(e)		New York		Yes ©
f thone	NEW YORK	New York  ome or all of the private fund's assets?  o questions (b) through (e) below for each p i) through (e) separately for each prime brot	United States  firme broker the private fund us	•
f thone	NEW YORK  Does this prime broker act as custodian for so the answer to question 24.(a) is "yes," respond to prime broker, you must complete questions (b  Name of the prime broker: MORGAN STANLEY & CO. LLC  If the prime broker is registered with the SEC, 8 - 15869  CRD Number (if any):	New York  ome or all of the private fund's assets?  o questions (b) through (e) below for each p ) through (e) separately for each prime brot  its registration number:	United States  United States	•
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thine b) c) thine	NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to a prime broker, you must complete questions (but the prime broker is registered with the SEC, 8 - 15869  CRD Number (if any): 8209  Location of prime broker's office used principal City: NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to prime broker, you must complete questions (but the prime broker, you must complete questions (but Name of the prime broker: SCOTIA CAPITAL (USA) INC.  If the prime broker is registered with the SEC, 8 - 3716  CRD Number (if any):	New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit  lits registration number:  lity by the private fund (city, state and country State: New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit	United States  frime broker the private fund user.  Country: United States	es. If the <i>private fund</i> uses more that Yes
thine b) c) thine	NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to be prime broker, you must complete questions (to Name of the prime broker:  NAME OF THE PRIME BROKER STANLEY & CO. LLC  If the prime broker is registered with the SEC, 8 - 15869  CRD Number (if any): 8209  Location of prime broker's office used principal City: NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to be prime broker, you must complete questions (to Name of the prime broker: SCOTIA CAPITAL (USA) INC.  If the prime broker is registered with the SEC, 8 - 3716	New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit  lits registration number:  lity by the private fund (city, state and country State: New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit	United States  frime broker the private fund user.  Country: United States	es. If the <i>private fund</i> uses more that Yes
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f thene b) c) f thene b)	NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to a prime broker, you must complete questions (to the prime broker:  MORGAN STANLEY & CO. LLC  If the prime broker is registered with the SEC, 8 - 15869  CRD Number (if any): 8209  Location of prime broker's office used principal City: NEW YORK  Does this prime broker act as custodian for some answer to question 24.(a) is "yes," respond to a prime broker, you must complete questions (to Name of the prime broker: SCOTIA CAPITAL (USA) INC.  If the prime broker is registered with the SEC, 8 - 3716  CRD Number (if any): 2739	New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit  its registration number:  lity by the private fund (city, state and country State: New York  one or all of the private fund's assets?  o questions (b) through (e) below for each p b) through (e) separately for each prime broit  its registration number:	United States  rime broker the private fund user.  Country: United States	es. If the <i>private fund</i> uses more that Yes

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