

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme SIRTEX MEDICAL LIMITED

ACN/ARSN 078 166 122

1. Details of substantial holder (1)

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)

The holder became a substantial holder on 04 / 04 / 2018

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ord	2,871,848	2,871,848	5.14

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Annexure A		

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
see Annexure A			

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
see Annexure A	

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
see Annexure C	

Signature

print name Maria Tricarico

capacity Authorised Signatory*

sign here

date 06 / 04 / 2018

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

06-Apr-18

Maria Tricarico,

Authorised Signatory

Date

3. Details of Relevant Interests
4. Details of present registered holders
6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 8,190	8,190	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ORD 388,979	388,979	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD 6,288	6,288	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 1,014	1,014	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 3,576	3,576	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, HONG KONG		ORD 80	80	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 178,616	178,616	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 494,954	494,954	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 11,739	11,739	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 34,726	34,726	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 3,267	3,267	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 71,692	71,692	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 243,513	243,513	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 2,097	2,097	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ORD 1,000	1,000	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ORD 708	708	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD 37,094	37,094	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 284,041	284,041	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 106,592	106,592	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ORD 176,885	176,885	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ORD 301,281	301,281	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD 34,124	34,124	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD 109	109	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD 17,875	17,875	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		ORD 2,883	2,883	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 13,057	13,057	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 3,230	3,230	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD 4,062	4,062	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 64,830	64,830	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	JPM-JPM CHASE - SYDNEY		ORD 82,301	82,301	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	CITI-Citigroup Australia - SYDNEY		ORD 17,397	17,397	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	SSB-STATE STREET AUSTRALIA		ORD 20,942	20,942	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ORD 254,706	254,706	subsidiary of BlackRock Inc.

This is Annexure B of 6 pages referred to in form 603 Notice of initial substantial shareholder

06-Apr-18

Maria Tricarico,
Authorised Signatory

Date

5. Consideration

SIRTEX MEDICAL LTD (SRX)								
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	05-Dec-17	yes	15.21	on mkt buy	AUD	ORD	2,840	2,840
BlackRock Investment Management (Australia) Limited	06-Dec-17	yes	15.54	on mkt buy	AUD	ORD	390	390
BlackRock Investment Management (Australia) Limited	07-Dec-17	yes	15.32	on mkt buy	AUD	ORD	2,078	2,078
BlackRock Advisors (UK) Limited	08-Dec-17	yes	15.59	on mkt buy	AUD	ORD	3,602	3,602
BlackRock Investment Management (Australia) Limited	08-Dec-17	yes	15.59	on mkt buy	AUD	ORD	4,261	4,261
BlackRock Advisors (UK) Limited	11-Dec-17	yes	15.89	on mkt buy	AUD	ORD	3,604	3,604
BlackRock Advisors (UK) Limited	11-Dec-17	yes	15.89	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Advisors (UK) Limited	12-Dec-17	yes	15.90	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Advisors (UK) Limited	12-Dec-17	yes	15.90	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Advisors (UK) Limited	12-Dec-17	yes	15.90	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Investment Management (Australia) Limited	13-Dec-17	yes	16.04	on mkt buy	AUD	ORD	1,778	1,778
BlackRock Investment Management (Australia) Limited	13-Dec-17	yes	16.04	on mkt buy	AUD	ORD	3,635	3,635
BlackRock Investment Management (Australia) Limited	13-Dec-17	yes	16.04	on mkt buy	AUD	ORD	10,782	10,782
BlackRock Investment Management (Australia) Limited	14-Dec-17	yes	16.17	on mkt buy	AUD	ORD	1,468	1,468
BlackRock Investment Management (Australia) Limited	15-Dec-17	yes	15.91	on mkt buy	AUD	ORD	1,481	1,481
BlackRock Investment Management (Australia) Limited	19-Dec-17	yes	15.83	on mkt buy	AUD	ORD	3,418	3,418
BlackRock Investment Management (Australia) Limited	20-Dec-17	yes	16.71	on mkt buy	AUD	ORD	442	442
BlackRock Advisors (UK) Limited	21-Dec-17	yes	16.48	on mkt buy	AUD	ORD	1,256	1,256
BlackRock Investment Management (Australia) Limited	22-Dec-17	yes	16.39	on mkt buy	AUD	ORD	2,562	2,562
BlackRock Fund Advisors	27-Dec-17	no	n/a	in specie	AUD	ORD	2,672	2,672
BlackRock Investment Management (Australia) Limited	03-Jan-18	yes	16.72	on mkt buy	AUD	ORD	472	472
BlackRock Advisors (UK) Limited	03-Jan-18	yes	16.72	on mkt buy	AUD	ORD	1,257	1,257
BlackRock Advisors (UK) Limited	05-Jan-18	yes	16.45	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Fund Advisors	05-Jan-18	no	n/a	in specie	AUD	ORD	460	460
BlackRock Advisors (UK) Limited	08-Jan-18	yes	16.12	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Advisors (UK) Limited	09-Jan-18	yes	15.73	on mkt buy	AUD	ORD	1,258	1,258
BlackRock Fund Advisors	09-Jan-18	no	n/a	in specie	AUD	ORD	207	207
BlackRock Advisors (UK) Limited	10-Jan-18	yes	15.60	on mkt buy	AUD	ORD	1,258	1,258
BlackRock Advisors (UK) Limited	12-Jan-18	yes	15.57	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Advisors (UK) Limited	16-Jan-18	yes	15.65	on mkt buy	AUD	ORD	3,777	3,777
BlackRock Advisors (UK) Limited	16-Jan-18	yes	15.65	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Advisors (UK) Limited	16-Jan-18	yes	15.65	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Investment Management (Australia) Limited	16-Jan-18	yes	15.65	on mkt buy	AUD	ORD	10,152	10,152
BlackRock Investment Management (Australia) Limited	16-Jan-18	yes	15.65	on mkt buy	AUD	ORD	15,607	15,607
BlackRock Advisors (UK) Limited	17-Jan-18	yes	17.83	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Fund Advisors	17-Jan-18	no	n/a	in specie	AUD	ORD	529	529
BlackRock Fund Advisors	17-Jan-18	no	n/a	in specie	AUD	ORD	230	230
BlackRock Advisors (UK) Limited	18-Jan-18	yes	18.09	on mkt buy	AUD	ORD	1,260	1,260
BlackRock Advisors (UK) Limited	19-Jan-18	yes	18.00	on mkt buy	AUD	ORD	1,260	1,260
BlackRock Advisors (UK) Limited	23-Jan-18	yes	18.66	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Advisors (UK) Limited	23-Jan-18	yes	18.70	on mkt buy	AUD	ORD	3,603	3,603
BlackRock Investment Management (Australia) Limited	24-Jan-18	yes	18.59	on mkt buy	AUD	ORD	3,070	3,070
BlackRock Advisors (UK) Limited	24-Jan-18	yes	18.56	on mkt buy	AUD	ORD	2,516	2,516
BlackRock Fund Advisors	24-Jan-18	no	n/a	in specie	AUD	ORD	115	115
BlackRock Investment Management (Australia) Limited	25-Jan-18	yes	18.49	on mkt buy	AUD	ORD	1,376	1,376

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	25-Jan-18	yes	18.49	on mkt buy	AUD	ORD	604	604
BlackRock Advisors (UK) Limited	25-Jan-18	yes	18.47	on mkt buy	AUD	ORD	7,198	7,198
BlackRock Advisors (UK) Limited	25-Jan-18	yes	18.47	on mkt buy	AUD	ORD	10,797	10,797
BlackRock Advisors (UK) Limited	25-Jan-18	yes	18.47	on mkt buy	AUD	ORD	1,258	1,258
BlackRock Investment Management (Australia) Limited	25-Jan-18	yes	18.47	on mkt buy	AUD	ORD	1,353	1,353
BlackRock Advisors (UK) Limited	29-Jan-18	yes	18.83	on mkt buy	AUD	ORD	3,599	3,599
BlackRock Fund Advisors	29-Jan-18	no	n/a	in specie	AUD	ORD	154	154
BlackRock Fund Advisors	29-Jan-18	no	n/a	in specie	AUD	ORD	3,674	3,674
BlackRock Investment Management (Australia) Limited	30-Jan-18	yes	18.83	on mkt buy	AUD	ORD	390	390
BlackRock Advisors (UK) Limited	31-Jan-18	yes	27.45	on mkt buy	AUD	ORD	7,202	7,202
BlackRock Advisors (UK) Limited	31-Jan-18	yes	27.45	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Advisors (UK) Limited	31-Jan-18	yes	27.45	on mkt buy	AUD	ORD	3,600	3,600
BlackRock Advisors, LLC	02-Feb-18	yes	27.47	on mkt buy	AUD	ORD	250	250
BlackRock Investment Management, LLC	02-Feb-18	yes	27.47	on mkt buy	AUD	ORD	1,031	1,031
BlackRock Institutional Trust Company, National Association	02-Feb-18	no	n/a	in specie	AUD	ORD	11,604	11,604
BlackRock Investment Management (Australia) Limited	05-Feb-18	yes	27.65	on mkt buy	AUD	ORD	471	471
BlackRock Advisors (UK) Limited	05-Feb-18	yes	27.65	on mkt buy	AUD	ORD	3,604	3,604
BlackRock Investment Management (Australia) Limited	06-Feb-18	yes	27.38	on mkt buy	AUD	ORD	7,019	7,019
BlackRock Investment Management (Australia) Limited	06-Feb-18	yes	27.38	on mkt buy	AUD	ORD	778	778
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	1,126	1,126
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	4,210	4,210
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	1,556	1,556
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	20,415	20,415
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	16,246	16,246
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	1,009	1,009
BlackRock Investment Management (Australia) Limited	07-Feb-18	yes	27.39	on mkt buy	AUD	ORD	10,883	10,883
BlackRock Advisors (UK) Limited	07-Feb-18	yes	27.35	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Institutional Trust Company, National Association	07-Feb-18	yes	27.35	on mkt buy	AUD	ORD	17,279	17,279
BlackRock Investment Management (Australia) Limited	08-Feb-18	yes	27.41	on mkt buy	AUD	ORD	29,500	29,500
BlackRock Investment Management (Australia) Limited	08-Feb-18	yes	27.41	on mkt buy	AUD	ORD	2,536	2,536
BlackRock Fund Advisors	08-Feb-18	yes	27.44	on mkt buy	AUD	ORD	70,000	70,000
BlackRock Financial Management, Inc.	09-Feb-18	yes	27.39	on mkt buy	AUD	ORD	53,930	53,930
BlackRock Fund Advisors	09-Feb-18	no	n/a	in specie	AUD	ORD	88	88
BlackRock Investment Management (Australia) Limited	13-Feb-18	yes	27.54	on mkt buy	AUD	ORD	18,430	18,430
BlackRock Investment Management (Australia) Limited	13-Feb-18	yes	27.54	on mkt buy	AUD	ORD	1,561	1,561
BlackRock Fund Advisors	13-Feb-18	yes	27.55	on mkt buy	AUD	ORD	43,424	43,424
BlackRock Fund Advisors	13-Feb-18	no	n/a	in specie	AUD	ORD	360	360
BlackRock Fund Advisors	13-Feb-18	no	n/a	in specie	AUD	ORD	216	216
BlackRock Advisors, LLC	14-Feb-18	yes	27.62	on mkt buy	AUD	ORD	304	304
BlackRock Investment Management, LLC	14-Feb-18	yes	27.62	on mkt buy	AUD	ORD	3,031	3,031
BlackRock Fund Advisors	14-Feb-18	yes	27.67	on mkt buy	AUD	ORD	39,465	39,465
BlackRock Advisors (UK) Limited	14-Feb-18	yes	27.69	on mkt buy	AUD	ORD	1,259	1,259
BlackRock Advisors (UK) Limited	14-Feb-18	yes	27.69	on mkt buy	AUD	ORD	3,604	3,604
BlackRock Fund Advisors	14-Feb-18	no	n/a	in specie	AUD	ORD	435	435
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD	871	871
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.69	on mkt buy	AUD	ORD	3,479	3,479
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD	10,241	10,241
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.69	on mkt buy	AUD	ORD	369	369
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD	1,108	1,108
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD	7,537	7,537

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD 7,537	7,537
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD 1,028	1,028
BlackRock Investment Management (Australia) Limited	15-Feb-18	yes	27.73	on mkt buy	AUD	ORD 5,025	5,025
BlackRock Advisors (UK) Limited	15-Feb-18	yes	27.76	on mkt buy	AUD	ORD 2,518	2,518
BlackRock Financial Management, Inc.	16-Feb-18	yes	27.51	on mkt buy	AUD	ORD 8,124	8,124
BlackRock Fund Advisors	16-Feb-18	no	n/a	in specie	AUD	ORD 380	380
BlackRock Investment Management (Australia) Limited	20-Feb-18	yes	27.72	on mkt buy	AUD	ORD 25,450	25,450
BlackRock Investment Management (Australia) Limited	20-Feb-18	yes	27.72	on mkt buy	AUD	ORD 2,135	2,135
BlackRock Advisors (UK) Limited	20-Feb-18	yes	27.74	on mkt buy	AUD	ORD 1,260	1,260
BlackRock Advisors (UK) Limited	20-Feb-18	yes	27.74	on mkt buy	AUD	ORD 10,818	10,818
BlackRock Advisors (UK) Limited	20-Feb-18	yes	27.74	on mkt buy	AUD	ORD 3,606	3,606
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 1,602	1,602
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 10,480	10,480
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 1,431	1,431
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 8,865	8,865
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 6,786	6,786
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 1,108	1,108
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 4,525	4,525
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 2,321	2,321
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 15,188	15,188
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 2,075	2,075
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 12,849	12,849
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 9,836	9,836
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 1,606	1,606
BlackRock Investment Management (Australia) Limited	21-Feb-18	yes	27.70	on mkt buy	AUD	ORD 6,557	6,557
BlackRock Fund Advisors	21-Feb-18	yes	27.68	on mkt buy	AUD	ORD 5,016	5,016
BlackRock Fund Advisors	21-Feb-18	no	n/a	in specie	AUD	ORD 1,120	1,120
BlackRock Advisors, LLC	22-Feb-18	yes	27.62	on mkt buy	AUD	ORD 460	460
BlackRock Investment Management (Australia) Limited	22-Feb-18	yes	27.62	on mkt buy	AUD	ORD 5,385	5,385
BlackRock Investment Management (Australia) Limited	22-Feb-18	yes	27.62	on mkt buy	AUD	ORD 1,009	1,009
BlackRock Advisors (UK) Limited	23-Feb-18	yes	27.55	on mkt buy	AUD	ORD 1,260	1,260
BlackRock Advisors (UK) Limited	23-Feb-18	yes	27.55	on mkt buy	AUD	ORD 3,598	3,598
BlackRock Fund Advisors	23-Feb-18	no	n/a	in specie	AUD	ORD 132	132
BlackRock Financial Management, Inc.	26-Feb-18	yes	27.60	on mkt buy	AUD	ORD 19,375	19,375
BlackRock Investment Management (Australia) Limited	26-Feb-18	yes	27.59	on mkt buy	AUD	ORD 520	520
BlackRock Fund Advisors	26-Feb-18	no	n/a	in specie	AUD	ORD 814	814
BlackRock Investment Management (Australia) Limited	27-Feb-18	yes	27.58	on mkt buy	AUD	ORD 13,034	13,034
BlackRock Investment Management (Australia) Limited	27-Feb-18	yes	27.60	on mkt buy	AUD	ORD 915	915
BlackRock Fund Advisors	27-Feb-18	no	n/a	in specie	AUD	ORD 287	287
BlackRock Fund Advisors	27-Feb-18	no	n/a	in specie	AUD	ORD 1,107	1,107
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 2,093	2,093
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 9,318	9,318
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 1,352	1,352
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 9,900	9,900
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 6,411	6,411
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 1,046	1,046

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.56	on mkt buy	AUD	ORD 4,274	4,274
BlackRock Investment Management, LLC	28-Feb-18	yes	27.60	on mkt buy	AUD	ORD 653	653
BlackRock Investment Management (Australia) Limited	28-Feb-18	yes	27.60	on mkt buy	AUD	ORD 1,496	1,496
BlackRock Investment Management (Australia) Limited	01-Mar-18	yes	27.51	on mkt buy	AUD	ORD 16,892	16,892
BlackRock Financial Management, Inc.	02-Mar-18	yes	27.58	on mkt buy	AUD	ORD 13,937	13,937
BlackRock Advisors (UK) Limited	02-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,261	1,261
BlackRock Advisors (UK) Limited	02-Mar-18	yes	27.60	on mkt buy	AUD	ORD 3,599	3,599
BlackRock Advisors (UK) Limited	02-Mar-18	yes	27.60	on mkt buy	AUD	ORD 3,599	3,599
BlackRock Financial Management, Inc.	05-Mar-18	yes	27.59	on mkt buy	AUD	ORD 36,012	36,012
BlackRock Financial Management, Inc.	05-Mar-18	yes	27.60	on mkt buy	AUD	ORD 37,419	37,419
BlackRock Advisors (UK) Limited	05-Mar-18	yes	27.62	on mkt buy	AUD	ORD 1,262	1,262
BlackRock Advisors (UK) Limited	05-Mar-18	yes	27.62	on mkt buy	AUD	ORD 1,560	1,560
BlackRock Fund Advisors	05-Mar-18	no	n/a	in specie	AUD	ORD 264	264
BlackRock Fund Advisors	05-Mar-18	no	n/a	in specie	AUD	ORD 820	820
BlackRock Investment Management (Australia) Limited	06-Mar-18	yes	27.66	on mkt buy	AUD	ORD 23,584	23,584
BlackRock Fund Advisors	06-Mar-18	no	n/a	in specie	AUD	ORD 1,025	1,025
BlackRock Fund Advisors	06-Mar-18	no	n/a	in specie	AUD	ORD 3,340	3,340
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 2,017	2,017
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 9,541	9,541
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,303	1,303
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 9,541	9,541
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 6,178	6,178
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,007	1,007
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 4,119	4,119
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,652	1,652
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 7,812	7,812
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,067	1,067
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 7,811	7,811
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 5,059	5,059
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 826	826
BlackRock Investment Management (Australia) Limited	07-Mar-18	yes	27.60	on mkt buy	AUD	ORD 3,372	3,372
BlackRock Fund Advisors	07-Mar-18	no	n/a	in specie	AUD	ORD 820	820
BlackRock Fund Advisors	07-Mar-18	no	n/a	in specie	AUD	ORD 3,075	3,075
BlackRock Fund Advisors	08-Mar-18	yes	27.60	on mkt buy	AUD	ORD 4,628	4,628
BlackRock Advisors (UK) Limited	08-Mar-18	yes	27.60	on mkt buy	AUD	ORD 1,719	1,719
BlackRock Advisors (UK) Limited	08-Mar-18	yes	27.60	on mkt buy	AUD	ORD 11,450	11,450
BlackRock Fund Advisors	08-Mar-18	no	n/a	in specie	AUD	ORD 738	738
BlackRock Fund Advisors	08-Mar-18	no	n/a	in specie	AUD	ORD 5,412	5,412
BlackRock Financial Management, Inc.	09-Mar-18	yes	27.58	on mkt buy	AUD	ORD 1,287	1,287
BlackRock Advisors (UK) Limited	09-Mar-18	yes	27.57	on mkt buy	AUD	ORD 3,760	3,760
BlackRock Fund Advisors	09-Mar-18	no	n/a	in specie	AUD	ORD 176	176
BlackRock Investment Management (Australia) Limited	12-Mar-18	yes	27.59	on mkt buy	AUD	ORD 11,129	11,129
BlackRock Investment Management (Australia) Limited	13-Mar-18	yes	27.57	on mkt buy	AUD	ORD 15,210	15,210
BlackRock Advisors (UK) Limited	13-Mar-18	yes	27.60	on mkt buy	AUD	ORD 3,758	3,758
BlackRock Fund Advisors	13-Mar-18	no	n/a	in specie	AUD	ORD 1,260	1,260
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 2,010	2,010
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 9,507	9,507
BlackRock Asset Management North Asia Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 56	56
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 1,298	1,298
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 9,508	9,508

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 5,742	5,742
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 1,004	1,004
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 4,104	4,104
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 849	849
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 4,017	4,017
BlackRock Asset Management North Asia Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 24	24
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 548	548
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 4,017	4,017
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 2,427	2,427
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 425	425
BlackRock Investment Management (Australia) Limited	14-Mar-18	yes	27.54	on mkt buy	AUD	ORD 1,735	1,735
BlackRock Investment Management (UK) Limited	14-Mar-18	yes	27.56	on mkt buy	AUD	ORD 109	109
BlackRock Fund Advisors	14-Mar-18	no	n/a	in specie	AUD	ORD 420	420
BlackRock Investment Management (Australia) Limited	15-Mar-18	yes	27.65	on mkt buy	AUD	ORD 3,722	3,722
BlackRock Fund Advisors	15-Mar-18	no	n/a	in specie	AUD	ORD 504	504
BlackRock Fund Advisors	15-Mar-18	no	n/a	in specie	AUD	ORD 630	630
BlackRock Fund Advisors	15-Mar-18	no	n/a	in specie	AUD	ORD 3,340	3,340
BlackRock Financial Management, Inc.	16-Mar-18	yes	27.67	on mkt buy	AUD	ORD 8,532	8,532
BlackRock Advisors (UK) Limited	16-Mar-18	yes	27.65	on mkt buy	AUD	ORD 919	919
BlackRock Investment Management (Australia) Limited	20-Mar-18	yes	27.69	on mkt buy	AUD	ORD 5,848	5,848
BlackRock Advisors (UK) Limited	20-Mar-18	yes	27.73	on mkt buy	AUD	ORD 3,764	3,764
BlackRock Advisors (UK) Limited	20-Mar-18	yes	27.73	on mkt buy	AUD	ORD 3,764	3,764
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 2,162	2,162
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 5,759	5,759
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 1,124	1,124
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 8,679	8,679
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 6,623	6,623
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 703	703
BlackRock Investment Management (Australia) Limited	21-Mar-18	yes	27.72	on mkt buy	AUD	ORD 4,415	4,415
BlackRock Investment Management (Australia) Limited	22-Mar-18	yes	27.71	on mkt buy	AUD	ORD 4,525	4,525
BlackRock Advisors (UK) Limited	22-Mar-18	yes	27.75	on mkt buy	AUD	ORD 3,764	3,764
BlackRock Investment Management (Australia) Limited	27-Mar-18	yes	27.70	on mkt buy	AUD	ORD 17,690	17,690
BlackRock Advisors (UK) Limited	27-Mar-18	yes	27.71	on mkt buy	AUD	ORD 3,766	3,766
BlackRock Advisors (UK) Limited	27-Mar-18	yes	27.71	on mkt buy	AUD	ORD 1,304	1,304
BlackRock Investment Management (Australia) Limited	27-Mar-18	yes	27.71	on mkt buy	AUD	ORD 1,847	1,847
BlackRock Advisors (UK) Limited	27-Mar-18	yes	27.71	on mkt buy	AUD	ORD 2,709	2,709
BlackRock Institutional Trust Company, National Association	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 1,938	1,938
BlackRock Institutional Trust Company, National Association	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 554	554
BlackRock Institutional Trust Company, National Association	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 529	529
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 1,755	1,755
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 7,013	7,013
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 1,133	1,133
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 8,299	8,299
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD 5,374	5,374

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD	811	811
BlackRock Investment Management (Australia) Limited	28-Mar-18	yes	27.73	on mkt buy	AUD	ORD	3,583	3,583
BlackRock Fund Advisors	29-Mar-18	no	n/a	in specie	AUD	ORD	440	440
BlackRock Fund Advisors	03-Apr-18	yes	27.73	on mkt buy	AUD	ORD	4,700	4,700
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	2,124	2,124
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	9,219	9,219
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	1,371	1,371
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	10,044	10,044
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	6,504	6,504
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	1,050	1,050
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	4,336	4,336
BlackRock Investment Management (Australia) Limited	04-Apr-18	no	n/a	in specie	AUD	ORD	168,944	168,944
BlackRock Institutional Trust Company, National Association	04-Apr-18	yes	27.78	on mkt buy	AUD	ORD	11,713	11,713
BlackRock Institutional Trust Company, National Association	04-Apr-18	yes	27.78	on mkt buy	AUD	ORD	2,741	2,741
BlackRock Institutional Trust Company, National Association	04-Apr-18	yes	27.78	on mkt buy	AUD	ORD	2,739	2,739
BlackRock Advisors (UK) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	3,767	3,767
BlackRock Advisors (UK) Limited	04-Apr-18	yes	27.79	on mkt buy	AUD	ORD	3,767	3,767
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	3,145	3,145
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	13,651	13,651
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	2,031	2,031
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	14,872	14,872
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	9,632	9,632
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	1,554	1,554
BlackRock Investment Management (Australia) Limited	04-Apr-18	yes	27.76	on mkt buy	AUD	ORD	6,421	6,421

This is Annexure C of 1 pages referred to in form 603 Notice of initial substantial shareholder

Maria Tricarico,
Authorised Signatory

06-Apr-18
Date

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States