

Form 605

Corporations Law
Section 671B

Notice of ceasing to be a substantial holder

To: Company Name/Scheme **PERPETUAL LIMITED**

ACN/ARSN **000 431 827**

1. Details of substantial holder (1)

Name **UBS Group AG and its related bodies corporate**

ACN/ARSN (if applicable): _____

The holder ceased to be a substantial shareholder on **3 December 2019**

The previous notice was given to the company on **18 November 2019**

The previous notice was dated **14 November 2019**

2. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of Change (4)	Consideration given in relation to change (5)	Class (6) and Number of securities affected	Person's votes affected
Please see Appendix A.					

3. Changes in association

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

4. Addresses

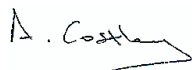
The addresses of persons named in this form are as follows:

Name	Address
N/A	N/A

SIGNATURE

Print Name: Andrew Costley

Capacity: Authorised signatory

Sign Here: 

Date: 5 December 2019

Print Name: Minsoo Ha

Capacity: Authorised signatory

Sign Here: 

Date: 5 December 2019

Contact details for this notice:

Andrew Costley
Group Compliance, Regulatory & Governance
(T) + 852 3712 3707

PPT - Appendix A					
Date of change	Person whose relevant interest changed	Nature of Change	Consideration given in relation to change	Number of securities	Class
15-Nov-19	UBS Securities Australia Ltd	Sell	240	(6)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	959	(24)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	4,997	(125)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	7,076	(177)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	7,116	(178)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	51,731	(1,294)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	1,759	44	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	10,312	258	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	44,285	1,108	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	51,719	1,294	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	44,296	(1,108)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	9,833	(249)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	130,729	(3,295)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	202,624	5,127	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	31,355	(792)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	143,043	(3,607)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	288,726	7,293	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	165,575	(4,171)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	78,993	(1,994)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	242,149	6,105	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	33,815	(853)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	10,365	(260)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	717	18	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	68,051	1,716	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	4,990	126	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	15,686	394	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	63,733	1,594	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	60,753	1,531	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	8,448	212	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Buy	2,032	51	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	990	(25)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Sell	36,998	(928)	Ordinary
15-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(1,141)	Ordinary
15-Nov-19	UBS AG, Australia Branch	Stock returned	N/A	(490)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	79	(2)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	236	(6)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	79	(2)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	151	(4)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	43,535	(1,107)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	553	14	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,383	35	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,659	42	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,383	35	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	116	3	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	514	13	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,383	35	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,027	26	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,383	35	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	830	21	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,422	36	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	514	13	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	1,383	35	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	2,556	(65)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	11,521	293	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	37,747	960	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	10,689	(270)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	73,735	(1,855)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	100,881	2,551	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	13,135	(329)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	14,305	360	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	122,736	3,104	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	228,393	(5,778)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	108,496	(2,742)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	244,172	6,182	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	150,350	(3,812)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	10,832	275	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	238	(6)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	101,790	2,589	Ordinary

18-Nov-19	UBS Securities Australia Ltd	Buy	670	17	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	23,333	594	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	6,979	178	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	433	11	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Buy	14,040	359	Ordinary
18-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	40,000	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	158	(4)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	79	(2)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	1,540	(39)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	79	2	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	1,028	(26)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	13,246	(335)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	3,286	(84)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	238,500	(6,062)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	214,392	5,453	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	16,364	418	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	4,226	(107)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	373,141	(9,489)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	293,725	7,504	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	41,758	(1,066)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	215,559	5,488	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	169,100	(4,294)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	13,040	331	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	3,443	87	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	12,730	323	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	27,168	562	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	42,212	1,070	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	26,891	680	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	26,685	678	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	510	13	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Buy	2,105	53	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Sell	3,143	(80)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(4,859)	Ordinary
19-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(1,962)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	119	3	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	910	(23)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	2,177	(55)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	3,008	(76)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	3,483	(88)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	2,137	(54)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	27,389	(692)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	38,591	(975)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	56,758	(1,434)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	11,874	300	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	1,464	(37)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	3,025	(77)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	297,558	(7,530)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	206,573	5,227	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	97,432	2,472	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	213,764	(5,412)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	255,530	6,478	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	299,981	7,597	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	131,610	(3,335)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	140,869	(3,562)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	35,033	(886)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	158	(4)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	14,068	356	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Buy	10,832	274	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	5,111	(129)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	86,210	(2,182)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	99,368	(2,514)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	17,703	(447)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	123,878	(3,133)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Sell	88,687	(2,244)	Ordinary
20-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(7,098)	Ordinary
20-Nov-19	UBS AG London Branch	Stock returned	N/A	(400)	Ordinary
20-Nov-19	UBS AG, Australia Branch	Stock returned	N/A	(278)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	78	(2)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	19,070	(491)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	78	(2)	Ordinary

21-Nov-19	UBS Securities Australia Ltd	Sell	78	(2)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	3,962	(102)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	3,962	(102)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	30,218	(778)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	30,567	(787)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	155	(4)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	117	(3)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	466	(12)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	932	(24)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	544	(14)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	311	(8)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	117	(3)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	78	(2)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	932	(24)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	621	(16)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	388	(10)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	155	(4)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	855	(22)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	2,486	(64)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	5,982	(154)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	15,555	401	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	38,325	988	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	4,379	112	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	174,268	4,473	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	242,228	(6,214)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	54,184	(1,389)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	257,709	6,508	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	235,934	(5,823)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	239,054	(6,134)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	193,200	(4,956)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	428,068	10,984	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	58,529	(1,500)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	622	(16)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	38,396	(984)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	20,765	(533)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	24,850	(637)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	7,799	(200)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	101,930	(2,613)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	13,033	334	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Sell	4,172	(107)	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	388	10	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Buy	8,238	212	Ordinary
21-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	9,945	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	195	(5)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	663	(17)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	2,418	(62)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	195	5	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	25,935	665	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	195	(5)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	4,134	(106)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	7,326	189	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	207,857	5,336	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	215,206	(5,518)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	20,004	(512)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	136,968	3,514	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	367,513	(9,415)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	263,527	6,760	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	116,388	(2,994)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	301,387	7,741	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	212,167	(5,441)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	7,665	(196)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	5,107	131	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	546	(14)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	25,719	664	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	23,546	(603)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	8,943	(230)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	7,448	(190)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	9,392	(240)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Buy	13,335	341	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Sell	1,946	(50)	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	100,000	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	2,000	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	4,210	Ordinary
22-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	3,951	Ordinary
22-Nov-19	UBS Asset Management	Transfer-in	N/A	850	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	354	(9)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	313	8	Ordinary

25-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	39	1	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	79	(2)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	276	(7)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	512	(13)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	3,350	(85)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	16,789	(426)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	2,688	(68)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	122,045	(3,094)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	25,806	(654)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	62,035	1,574	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	167,650	4,250	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	68,852	(1,746)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	167,708	4,257	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	64,132	(1,627)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	115,707	2,933	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	46,308	(1,173)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	158	(4)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Buy	20,857	529	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	158	(4)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Sell	276	(7)	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	5,000	Ordinary
25-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(3,988)	Ordinary
25-Nov-19	UBS AG London Branch	Stock returned	N/A	(2,500)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	278	7	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	357	9	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	2,381	60	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	3,732	94	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	15,046	379	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	19,612	494	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	28,862	727	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	17,230	(434)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	11,950	(300)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	327,457	8,232	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	200,971	(5,043)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	26,292	(662)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	59,550	1,500	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	145,194	(3,647)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	68,837	1,731	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	208,973	5,252	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	96,433	(2,422)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	101,979	(2,563)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	138,440	(3,482)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	356	(9)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	716	(18)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	9,583	241	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	119	3	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Buy	278	7	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Sell	11,204	(280)	Ordinary
26-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(17,100)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	302,061	7,623	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	198	(5)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	435	(11)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	594	(15)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	79	(2)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	1,675	42	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	3,351	84	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	83,250	2,087	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	9,893	(248)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	12,566	(316)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	248,861	(6,270)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	222,310	5,610	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	20,445	(517)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	72,782	1,826	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	94,219	(2,375)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	105,551	2,658	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	168,561	(4,251)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	173,202	(4,362)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	517	(13)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	5,763	(145)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	6,162	155	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	8,634	218	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	20,171	(508)	Ordinary

27-Nov-19	UBS Securities Australia Ltd	Sell	4,730	(119)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	68,735	(1,727)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	54,198	(1,365)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Sell	34,117	(860)	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	8,159	205	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Buy	12,663	320	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	10,000	Ordinary
27-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	1,000	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	119	3	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	158	4	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	5,496	139	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	16,844	426	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	17,991	455	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	34,558	874	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	85	(2)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	15,449	(387)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	6,771	170	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	353,488	8,862	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	298,354	(7,478)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	55,138	(1,387)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	560	14	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	31,728	(800)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	195,695	4,912	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	13,305	(334)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	205,281	(5,148)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	121,688	(3,050)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	171,497	4,299	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	16,466	(412)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	158	4	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	7,702	(193)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	4,194	(105)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	5,752	144	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	20,685	(518)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	64,837	1,623	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	92,040	(2,308)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	45,757	(1,145)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	128,583	(3,224)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	53,951	(1,352)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	8,169	205	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Sell	3,719	(93)	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	2,881	72	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Buy	11,251	282	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	105,000	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Stock borrowed	N/A	673	Ordinary
28-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(816)	Ordinary
28-Nov-19	UBS AG, Australia Branch	Stock returned	N/A	(52,437)	Ordinary
28-Nov-19	UBS AG, Australia Branch	Stock returned	N/A	(51,209)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	159	(4)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	80	(2)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	1,273	(32)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	79	2	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	35,201	886	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	27,811	700	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	5,296	132	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	136,785	3,423	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	40,814	(1,025)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	24,965	(624)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	43,556	(1,085)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	312,145	(7,811)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	335,525	8,147	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	150,911	(3,778)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	147,307	(3,693)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	281,547	7,053	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	7,728	(192)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	3,535	(89)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	24,057	(600)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	9,324	(233)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	15,372	(384)	Ordinary

29-Nov-19	UBS Securities Australia Ltd	Sell	15,736	(396)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	7,838	(195)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	3,000	75	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Sell	2,777	(70)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Buy	8,713	219	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(79,395)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(9,036)	Ordinary
29-Nov-19	UBS Securities Australia Ltd	Stock returned	N/A	(95,291)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	88,558	(2,220)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	27,277	681	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	119	(3)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	40	(1)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	836	(21)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	26,381	664	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	1,391	(35)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	12,017	(298)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	185,385	(4,646)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	130,883	3,284	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	274,802	6,884	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	174,423	(4,358)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	107,196	(2,688)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	259,497	6,492	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	127,398	(3,193)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	142,193	(3,557)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	23,467	591	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	14,850	(372)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	37,689	(943)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	2,405	60	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	40	1	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	33,287	837	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	199	(5)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	1,322	33	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	39,191	(980)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	60,146	(1,508)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	15,391	(385)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	65,872	(1,652)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	69,517	(1,745)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	1,800	45	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	397	10	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Sell	24,818	(623)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	12,428	311	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Buy	1,393	35	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Stock returned	N/A	(4,709)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Stock returned	N/A	(2,000)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Stock returned	N/A	(5,000)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Stock returned	N/A	(10,000)	Ordinary
02-Dec-19	UBS Securities Australia Ltd	Stock returned	N/A	(1,000)	Ordinary
02-Dec-19	UBS AG, Australia Branch	Stock received	N/A	103,870	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy	24,063	616	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy	32,814	837	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy	18,381	471	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	196	(5)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,683	(43)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	704	(18)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,057	(27)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,291	(33)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	117	(3)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,370	(35)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	978	(25)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,057	(27)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	78	(2)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	39	(1)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	470	(12)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	117	(3)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,448	(37)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	117	(3)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,370	(35)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,370	(35)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,487	(38)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell	1,409	(36)	Ordinary

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03-Dec-19	UBS Securities Australia Ltd	Buy		206,549	5,285	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		325,359	(8,315)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		4,681	120	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		26,170	(668)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		179,991	(4,598)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		38,474	(983)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		196,265	5,021	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		88,103	(2,257)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		318,529	8,141	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		189,990	(4,848)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		103,730	2,648	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		20,081	(512)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		314	(8)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		353	9	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		2,665	(68)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		62,722	(1,602)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		70,425	(1,799)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		23,669	(604)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		39,974	(1,021)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		33,333	(852)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		17,804	455	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		10,327	264	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Sell		943	(24)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Buy		1,291	33	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Stock returned		N/A	(25,041)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Stock returned		N/A	(673)	Ordinary
03-Dec-19	UBS Securities Australia Ltd	Stock returned		N/A	(13,924)	Ordinary
03-Dec-19	UBS Asset Management	Transfer-In		N/A	849	Ordinary