

Derivative Holdings (purchase rights)

Type of Rights	Number of rights	Voting rights conferred	Security ID number (ISIN if available or basic terms)	Identity of issuer	Currency	Exercise Price	Maturity Date	Exercise Type
	Number	Percentage						
Equity Swap	193349	193349	0.031	CITADEL ADVISORS LLC	CHF	1.127	03.08.2018	Cash
Equity Swap	105	105	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	14.09.2018	Cash
Equity Swap	87	87	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	17.09.2018	Cash
Equity Swap	36264	36264	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	20.09.2018	Cash
Equity Swap	36499	36499	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	21.09.2018	Cash
Equity Swap	38314	38314	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	24.09.2018	Cash
Equity Swap	35810	35810	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	25.09.2018	Cash
Equity Swap	34893	34893	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	28.09.2018	Cash
Equity Swap	37043	37043	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	27.09.2018	Cash
Equity Swap	43337	43337	0.007	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	28.09.2018	Cash
Equity Swap	52906	52906	0.008	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	01.10.2018	Cash
Equity Swap	5488	5488	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	04.10.2018	Cash
Equity Swap	68830	68830	0.011	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	05.10.2018	Cash
Equity Swap	70096	70096	0.011	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	08.10.2018	Cash
Equity Swap	21878	21878	0.004	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	08.10.2018	Cash
Equity Swap	37284	37284	0.006	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	10.10.2018	Cash
Equity Swap	26467	26467	0.004	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	17.10.2018	Cash
Equity Swap	11936	11936	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	22.10.2018	Cash
Equity Swap	11907	11907	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	03.10.2019	Cash
Equity Swap	31981	31981	0.005	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	24.10.2018	Cash
Equity Swap	12088	12088	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	29.10.2018	Cash
Equity Swap	13704	13704	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	30.10.2018	Cash
Equity Swap	21105	21105	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	31.10.2018	Cash
Equity Swap	20433	20433	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	06.11.2018	Cash
Equity Swap	44465	44465	0.007	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	07.11.2018	Cash
Equity Swap	199	199	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	08.11.2018	Cash
Equity Swap	175	175	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	13.11.2018	Cash
Equity Swap	480	480	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	14.11.2018	Cash
Equity Swap	182	182	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	15.11.2018	Cash
Equity Swap	250	250	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	21.11.2018	Cash
Equity Swap	3430	3430	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	28.11.2018	Cash
Equity Swap	585	585	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	01.12.2018	Cash
Equity Swap	204801	204801	0.033	OXFORD ASSET MANAGEMENT LLP	CHF	1.010	03.12.2018	Cash
Equity Swap	197794	197794	0.032	OXFORD ASSET MANAGEMENT LLP	CHF	1.102	03.12.2018	Cash
Equity Swap	20660	20660	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.105	03.12.2018	Cash
Equity Swap	10239	10239	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.108	03.12.2018	Cash
Equity Swap	171903	171903	0.028	OXFORD ASSET MANAGEMENT LLP	CHF	1.110	03.12.2018	Cash
Equity Swap	83828	83828	0.013	OXFORD ASSET MANAGEMENT LLP	CHF	1.112	03.12.2018	Cash
Equity Swap	61942	61942	0.010	OXFORD ASSET MANAGEMENT LLP	CHF	1.116	03.12.2018	Cash
Equity Swap	136541	136541	0.022	OXFORD ASSET MANAGEMENT LLP	CHF	1.137	03.12.2018	Cash
Equity Swap	49325	49325	0.008	OXFORD ASSET MANAGEMENT LLP	CHF	1.155	03.12.2018	Cash
Equity Swap	60285	60285	0.010	OXFORD ASSET MANAGEMENT LLP	CHF	1.158	03.12.2018	Cash
Equity Swap	13937	13937	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.178	03.12.2018	Cash
Equity Swap	151419	151419	0.024	OXFORD ASSET MANAGEMENT LLP	CHF	1.180	03.12.2018	Cash
Equity Swap	9298	9298	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.190	03.12.2018	Cash
Equity Swap	10321	10321	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.193	03.12.2018	Cash
Equity Swap	28595	28595	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.200	03.12.2018	Cash
Equity Swap	32020	32020	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.200	03.12.2018	Cash
Equity Swap	29393	29393	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.202	03.12.2018	Cash
Equity Swap	33281	33281	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.205	03.12.2018	Cash
Equity Swap	79312	79312	0.013	OXFORD ASSET MANAGEMENT LLP	CHF	1.207	03.12.2018	Cash
Equity Swap	79032	79032	0.013	OXFORD ASSET MANAGEMENT LLP	CHF	1.207	03.12.2018	Cash
Equity Swap	44939	44939	0.007	OXFORD ASSET MANAGEMENT LLP	CHF	1.210	03.12.2018	Cash
Equity Swap	3058	3058	0.000	OXFORD ASSET MANAGEMENT LLP	CHF	1.210	03.12.2018	Cash
Equity Swap	55106	55106	0.009	OXFORD ASSET MANAGEMENT LLP	CHF	1.211	03.12.2018	Cash
Equity Swap	3238	3238	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.220	03.12.2018	Cash
Equity Swap	10605	10605	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.229	03.12.2018	Cash
Equity Swap	16488	16488	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.245	03.12.2018	Cash
Equity Swap	19394	19394	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.242	03.12.2018	Cash
Equity Swap	71163	71163	0.011	OXFORD ASSET MANAGEMENT LLP	CHF	1.242	03.12.2018	Cash
Equity Swap	5360	5360	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.255	03.12.2018	Cash
Equity Swap	11911	11911	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.256	03.12.2018	Cash
Equity Swap	8010	8010	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.260	03.12.2018	Cash
Equity Swap	20842	20842	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.264	03.12.2018	Cash
Equity Swap	7996	7996	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.267	03.12.2018	Cash
Equity Swap	691	691	0.000	OXFORD ASSET MANAGEMENT LLP	CHF	1.270	03.12.2018	Cash
Equity Swap	1964	1964	0.000	OXFORD ASSET MANAGEMENT LLP	CHF	1.270	03.12.2018	Cash
Equity Swap	10976	10976	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.271	03.12.2018	Cash
Equity Swap	28927	28927	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.273	03.12.2018	Cash
Equity Swap	111571	111571	0.018	OXFORD ASSET MANAGEMENT LLP	CHF	1.334	03.12.2018	Cash
Equity Swap	86182	86182	0.014	OXFORD ASSET MANAGEMENT LLP	CHF	1.381	03.12.2018	Cash
Equity Swap	9180	9180	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.381	03.12.2018	Cash
Equity Swap	17237	17237	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.414	03.12.2018	Cash
Equity Swap	10168	10168	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.420	03.12.2018	Cash
Equity Swap	27273	27273	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.423	03.12.2018	Cash
Equity Swap	38000	38000	0.006	OXFORD ASSET MANAGEMENT LLP	CHF	1.447	03.12.2018	Cash
Equity Swap	52973	52973	0.009	OXFORD ASSET MANAGEMENT LLP	CHF	1.455	03.12.2018	Cash
Equity Swap	80527	80527	0.010	OXFORD ASSET MANAGEMENT LLP	CHF	1.457	03.12.2018	Cash
Equity Swap	82880	82880	0.013	OXFORD ASSET MANAGEMENT LLP	CHF	1.460	03.12.2018	Cash
Equity Swap	23205	23205	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.477	03.12.2018	Cash
Equity Swap	7238	7238	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.480	03.12.2018	Cash
Equity Swap	23835	23835	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.481	03.12.2018	Cash
Equity Swap	21929	21929	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.485	03.12.2018	Cash
Equity Swap	14998	14998	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.490	03.12.2018	Cash
Equity Swap	9866	9866	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.490	03.12.2018	Cash
Equity Swap	30918	30918	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.503	03.12.2018	Cash
Equity Swap	43080	43080	0.007	OXFORD ASSET MANAGEMENT LLP	CHF	1.505	03.12.2018	Cash
Equity Swap	142817	142817	0.023	OXFORD ASSET MANAGEMENT LLP	CHF	1.505	03.12.2018	Cash
Equity Swap	33306	33306	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.529	03.12.2018	Cash
Equity Swap	17498	17498	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.534	03.12.2018	Cash
Equity Swap	31203	31203	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.554	03.12.2018	Cash
Equity Swap	28322	28322	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.561	03.12.2018	Cash
Equity Swap	84170	84170	0.014	OXFORD ASSET MANAGEMENT LLP	CHF	1.581	03.12.2018	Cash
Equity Swap	20510	20510	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.582	03.12.2018	Cash
Equity Swap	56352	56352	0.009	OXFORD ASSET MANAGEMENT LLP	CHF	1.583	03.12.2018	Cash
Equity Swap	72143	72143	0.012	OXFORD ASSET MANAGEMENT LLP	CHF	1.585	03.12.2018	Cash
Equity Swap	62615	62615	0.010	OXFORD ASSET MANAGEMENT LLP	CHF	1.585	03.12.2018	Cash
Equity Swap	4018	4018	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.591	03.12.2018	Cash
Equity Swap	45492	45492	0.007	OXFORD ASSET MANAGEMENT LLP	CHF	1.631	03.12.2018	Cash
Equity Swap	22559	22559	0.004	OXFORD ASSET MANAGEMENT LLP	CHF	1.635	03.12.2018	Cash
Equity Swap	28711	28711	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.638	03.12.2018	Cash
Equity Swap	151213	151213	0.024	OXFORD ASSET MANAGEMENT LLP	CHF	1.646	03.12.2018	Cash
Equity Swap	39829	39829	0.006	OXFORD ASSET MANAGEMENT LLP	CHF	1.647	03.12.2018	Cash
Equity Swap	37053	37053	0.006	OXFORD ASSET MANAGEMENT LLP	CHF	1.651	03.12.2018	Cash
Equity Swap	36375	36375	0.006	OXFORD ASSET MANAGEMENT LLP	CHF	1.651	03.12.2018	Cash
Equity Swap	21312	21312	0.003	OXFORD ASSET MANAGEMENT LLP	CHF	1.660	03.12.2018	Cash
Equity Swap	63268	63268	0.010	OXFORD ASSET MANAGEMENT LLP	CHF	1.666	03.12.2018	Cash
Equity Swap	11289	11289	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.667	03.12.2018	Cash
Equity Swap	147308	147308	0.024	OXFORD ASSET MANAGEMENT LLP	CHF	1.673	03.12.2018	Cash
Equity Swap	10267	10267	0.002	OXFORD ASSET MANAGEMENT LLP	CHF	1.677	03.12.2018	Cash
Equity Swap	116767	116767	0.019	OXFORD ASSET MANAGEMENT LLP	CHF	1.681	03.12.2018	Cash
Equity Swap	297136	297136	0.048	OXFORD ASSET MANAGEMENT LLP	CHF	1.681	03.12.2018	Cash
Equity Swap	31854	31854	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.681	03.12.2018	Cash
Equity Swap	150110	150110	0.024	OXFORD ASSET MANAGEMENT LLP	CHF	1.683	03.12.2018	Cash
Equity Swap	45296	45296	0.007	OXFORD ASSET MANAGEMENT LLP	CHF	1.683	03.12.2018	Cash
Equity Swap	47144	47144	0.008	OXFORD ASSET MANAGEMENT LLP	CHF	1.688	03.12.2018	Cash
Equity Swap	28977	28977	0.005	OXFORD ASSET MANAGEMENT LLP	CHF	1.693	03.12.2018	Cash
Equity Swap	6546	6546	0.001	OXFORD ASSET MANAGEMENT LLP	CHF	1.694	03.12.2018	Cash
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Equity Swap	6349	6349	0.001	MILLENNIUM MANAGEMENT LLC	CHF	1.071	28.01.2019	Cash
Equity Swap	275815	275815	0.044	MILLENNIUM MANAGEMENT LLC	CHF	1.071	28.01.2019	Cash
Equity Swap	20940	20940	0.003	MILLENNIUM MANAGEMENT LLC	CHF	1.071	28.01.2019	Cash
Equity Swap	28325	28325	0.005	MILLENNIUM MANAGEMENT LLC	CHF	1.089	28.01.2019	Cash
Equity Swap	8257	8257	0.001	MILLENNIUM MANAGEMENT LLC	CHF	1.089	28.01.2019	Cash
Equity Swap	822158	822158	0.132	MILLENNIUM MANAGEMENT LLC	CHF	1.089	28.01.2019	Cash
Equity Swap	1488	1488	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.101	28.01.2019	Cash
Equity Swap	10979	10979	0.002	MILLENNIUM MANAGEMENT LLC	CHF	1.103	28.01.2019	Cash
Equity Swap	425811	425811	0.007	MILLENNIUM MANAGEMENT LLC	CHF	1.103	28.01.2019	Cash
Equity Swap	23624	23624	0.004	MILLENNIUM MANAGEMENT LLC	CHF	1.106	28.01.2019	Cash
Equity Swap	15879	15879	0.003	MILLENNIUM MANAGEMENT LLC	CHF	1.106	28.01.2019	Cash
Equity Swap	2609	2609	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.106	28.01.2019	Cash
Equity Swap	966	966	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.106	28.01.2019	Cash
Equity Swap	1484	1484	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.109	28.01.2019	Cash
Equity Swap	2666	2666	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.109	28.01.2019	Cash
Equity Swap	1738	1738	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.110	28.01.2019	Cash
Equity Swap	34480	34480	0.006	MILLENNIUM MANAGEMENT LLC	CHF	1.110	28.01.2019	Cash
Equity Swap	54966	54966	0.009	MILLENNIUM MANAGEMENT LLC	CHF	1.111	28.01.2019	Cash
Equity Swap	12709	12709	0.002	MILLENNIUM MANAGEMENT LLC	CHF	1.111	28.01.2019	Cash
Equity Swap	4167618	4167618	0.669	MILLENNIUM MANAGEMENT LLC	CHF	1.112	28.01.2019	Cash
Equity Swap	31341	31341	0.005	MILLENNIUM MANAGEMENT LLC	CHF	1.113	28.01.2019	Cash
Equity Swap	35087	35087	0.006	MILLENNIUM MANAGEMENT LLC	CHF	1.114	28.01.2019	Cash
Equity Swap	502075	502075	0.081	MILLENNIUM MANAGEMENT LLC	CHF	1.115	28.01.2019	Cash
Equity Swap	252810	252810	0.041	MILLENNIUM MANAGEMENT LLC	CHF	1.115	28.01.2019	Cash
Equity Swap	58176	58176	0.009	MILLENNIUM MANAGEMENT LLC	CHF	1.116	28.01.2019	Cash
Equity Swap	14480	14480	0.002	MILLENNIUM MANAGEMENT LLC	CHF	1.116	28.01.2019	Cash
Equity Swap	90724	90724	0.015	MILLENNIUM MANAGEMENT LLC	CHF	1.120	28.01.2019	Cash
Equity Swap	100449	100449	0.016	MILLENNIUM MANAGEMENT LLC	CHF	1.122	28.01.2019	Cash
Equity Swap	545774	545774	0.688	MILLENNIUM MANAGEMENT LLC	CHF	1.131	28.01.2019	Cash
Equity Swap	908	908	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.132	28.01.2019	Cash
Equity Swap	6336	6336	0.001	MILLENNIUM MANAGEMENT LLC	CHF	1.133	28.01.2019	Cash
Equity Swap	9155	9155	0.001	MILLENNIUM MANAGEMENT LLC	CHF	1.137	28.01.2019	Cash
Equity Swap	16428	16428	0.003	MILLENNIUM MANAGEMENT LLC	CHF	1.152	28.01.2019	Cash
Equity Swap	339276	339276	0.054	MILLENNIUM MANAGEMENT LLC	CHF	1.160	28.01.2019	Cash
Equity Swap	61964	61964	0.010	MILLENNIUM MANAGEMENT LLC	CHF	1.174	28.01.2019	Cash
Equity Swap	2535	2535	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.182	28.01.2019	Cash
Equity Swap	91396	91396	0.015	MILLENNIUM MANAGEMENT LLC	CHF	1.182	28.01.2019	Cash
Equity Swap	1694	1694	0.000	MILLENNIUM MANAGEMENT LLC	CHF	1.184	28.01.2019	Cash
Equity Swap	35126	35126	0.006	MILLENNIUM MANAGEMENT LLC	CHF	1.185	28.01.2019	Cash
Equity Swap	7093	7093	0.001	MILLENNIUM MANAGEMENT LLC	CHF	1.190	28.01.2019	Cash
Equity Swap	4054	4054	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	30.01.2019	Cash
Equity Swap	4265	4265	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	30.01.2019	Cash
Equity Swap	20782	20782	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	03.02.2019	Cash
Equity Swap	17015	17015	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	06.02.2019	Cash
Equity Swap	21130	21130	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	13.02.2019	Cash
Equity Swap	27876	27876	0.004	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	14.02.2019	Cash
Equity Swap	10962	10962	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	15.02.2019	Cash
Equity Swap	27479	27479	0.004	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	19.02.2019	Cash
Equity Swap	21468	21468	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	21.02.2019	Cash
Equity Swap	20239	20239	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	22.02.2019	Cash
Equity Swap	18485	18485	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	25.02.2019	Cash
Equity Swap	34224	34224	0.005	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	26.02.2019	Cash
Equity Swap	172	172	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	28.02.2019	Cash
Equity Swap	1868	1868	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	01.03.2019	Cash
Equity Swap	175104	175104	0.028	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	04.03.2019	Cash
Equity Swap	28198	28198	0.005	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	08.03.2019	Cash
Equity Swap	14199	14199	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	08.03.2019	Cash
Equity Swap	4914	4914	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	11.03.2019	Cash
Equity Swap	1114	1114	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	12.03.2019	Cash
Equity Swap	244345	244345	0.039	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	13.03.2019	Cash
Equity Swap	4685	4685	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	13.03.2019	Cash
Equity Swap	321283	321283	0.002	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	14.03.2019	Cash
Equity Swap	282291	282291	0.046	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	15.03.2019	Cash
Equity Swap	289616	289616	0.046	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	18.03.2019	Cash
Equity Swap	208955	208955	0.034	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	19.03.2019	Cash
Equity Swap	12256	12256	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	21.03.2019	Cash
Equity Swap	26917	26917	0.004	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	22.03.2019	Cash
Equity Swap	67590	67590	0.011	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	25.03.2019	Cash
Equity Swap	45182	45182	0.007	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	26.03.2019	Cash
Equity Swap	50400	50400	0.008	MARBLE BAR ASSET MANAGEMENT LLP	CHF	1.106	28.03.2019	Cash
Equity Swap	4857	4857	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	28.03.2019	Cash
Equity Swap	51989	51989	0.008	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	27.03.2019	Cash
Equity Swap	4598	4598	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	27.03.2019	Cash
Equity Swap	108925	108925	0.017	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	28.03.2019	Cash
Equity Swap	1133	1133	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	29.03.2019	Cash
Equity Swap	36734	36734	0.006	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	01.04.2019	Cash
Equity Swap	5139	5139	0.001	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	01.04.2019	Cash
Equity Swap	13370	13370	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	04.04.2019	Cash
Equity Swap	1878	1878	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.106	04.04.2019	Cash
Equity Swap	21543	21543	0.003	RENAISSANCE TECHNOLOGIES LLC	CHF	1.118	09.04.2019	Cash
Equity Swap	31984	31984	0.005	RENAISSANCE TECHNOLOGIES LLC	CHF	1.148	10.04.2019	Cash
Equity Swap	214	214	0.000	MARSHALL WACE LLP	CHF	0.820	12.04.2019	Cash
Equity Swap	59	59	0.000	MARSHALL WACE LLP	CHF	0.820	12.04.2019	Cash
Equity Swap	52	52	0.000	MARSHALL WACE LLP	CHF	0.825	12.04.2019	Cash
Equity Swap	316	316	0.000	MARSHALL WACE LLP	CHF	0.826	12.04.2019	Cash
Equity Swap	3752	3752	0.001	MARSHALL WACE LLP	CHF	0.855	12.04.2019	Cash
Equity Swap	491	491	0.000	MARSHALL WACE LLP	CHF	0.808	12.04.2019	Cash
Equity Swap	437	437	0.000	MARSHALL WACE LLP	CHF	1.021	12.04.2019	Cash
Equity Swap	80	80	0.000	MARSHALL WACE LLP	CHF	0.965	12.04.2019	Cash
Equity Swap	171	171	0.000	MARSHALL WACE LLP	CHF	0.965	12.04.2019	Cash
Equity Swap	260	260	0.000	MARSHALL WACE LLP	CHF	1.070	12.04.2019	Cash
Equity Swap	77	77	0.000	MARSHALL WACE LLP	CHF	0.971	12.04.2019	Cash
Equity Swap	3310	3310	0.001	MARSHALL WACE LLP	CHF	1.079	12.04.2019	Cash
Equity Swap	130	130	0.000	MARSHALL WACE LLP	CHF	0.991	12.04.2019	Cash
Equity Swap	83	83	0.000	MARSHALL WACE LLP	CHF	1.092	12.04.2019	Cash
Equity Swap	2354	2354	0.000	MARSHALL WACE LLP	CHF	1.086	12.04.2019	Cash
Equity Swap	293	293	0.000	MARSHALL WACE LLP	CHF	1.100	12.04.2019	Cash
Equity Swap	10843	10843	0.002	MARSHALL WACE LLP	CHF	1.102	12.04.2019	Cash
Equity Swap	11896	11896	0.002	MARSHALL WACE LLP	CHF	1.110	12.04.2019	Cash
Equity Swap	725	725	0.000	MARSHALL WACE LLP	CHF	1.111	12.04.2019	Cash
Equity Swap	1405	1405	0.000	MARSHALL WACE LLP	CHF	1.112	12.04.2019	Cash
Equity Swap	137	137	0.000	MARSHALL WACE LLP	CHF	1.113	12.04.2019	Cash
Equity Swap	2398	2398	0.000	MARSHALL WACE LLP	CHF	1.115	12.04.2019	Cash
Equity Swap	177	177	0.000	MARSHALL WACE LLP	CHF	1.116	12.04.2019	Cash
Equity Swap	3167	3167	0.001	MARSHALL WACE LLP	CHF	1.130	12.04.2019	Cash
Equity Swap	201	201	0.000	MARSHALL WACE LLP	CHF	1.131	12.04.2019	Cash
Equity Swap	951	951	0.000	MARSHALL WACE LLP	CHF	1.140	12.04.2019	Cash
Equity Swap	1568	1568	0.000	MARSHALL WACE LLP	CHF	1.142	12.04.2019	Cash
Equity Swap	253	253	0.000	MARSHALL WACE LLP	CHF	1.146	12.04.2019	Cash
Equity Swap	3602	3602	0.001	MARSHALL WACE LLP	CHF	1.155	12.04.2019	Cash
Equity Swap	247	247	0.000	MARSHALL WACE LLP	CHF	1.176	12.04.2019	Cash
Equity Swap	1	1	0.000	MARSHALL WACE LLP	CHF	1.177	12.04.2019	Cash
Equity Swap	1064	1064	0.000	MARSHALL WACE LLP	CHF	1.179	12.04.2019	Cash
Equity Swap	1802	1802	0.000	MARSHALL WACE LLP	CHF	1.179	12.04.2019	Cash
Equity Swap	29	29	0.000	MARSHALL WACE LLP	CHF	1.179	12.04.2019	Cash
Equity Swap	41	41	0.000	MARSHALL WACE LLP	CHF	1.200	12.04.2019	Cash
Equity Swap	11	11	0.000	MARSHALL WACE LLP	CHF	1.200	12.04.2019	Cash
Equity Swap	826	826	0.000	MARSHALL WACE LLP	CHF	1.216	12.04.2019	Cash
Equity Swap	2053	2053	0.000	MARSHALL WACE LLP	CHF	1.433	12.04.2019	Cash
Equity Swap	19888	19888	0.003	MARSHALL WACE LLP	CHF	1.439	12.04.2019	Cash
Equity Swap	8	8	0.000	MARSHALL WACE LLP	CHF	1.439	12.04.2019	Cash
Equity Swap	108	108	0.000	MARSHALL WACE LLP	CHF	1.445	12.04.2019	Cash
Equity Swap	8987	8987	0.001	MARSHALL WACE LLP	CHF	1.445	12.04.2019	Cash
Equity Swap	106	106	0.000	MARSHALL WACE LLP	CHF	1.450	12.04.2019	Cash
Equity Swap	1002	1002	0.000	MARSHALL WACE LLP	CHF	1.455	12.04.2019	Cash
Equity Swap	7626	7626	0.001	MARSHALL WACE LLP	CHF	1.455	12.04.2019	Cash
Equity Swap	30310	30310	0.005	MARSHALL WACE LLP	CHF	1.583	12.04.2019	Cash
Equity Swap	4348	4348	0.001	MARSHALL WACE LLP	CHF	1.615	12.04.2019	Cash
Equity Swap	3012	3012	0.000	MARSHALL WACE LLP	CHF	1.615	12.04.2019	Cash
Equity Swap	52	52	0.000	MARSHALL WACE LLP	CHF	1.616	12.04.2019	Cash
Equity Swap	383	383	0.000	MARSHALL WACE LLP	CHF	1.621	12.04.2019	Cash
Equity Swap	2191	2191	0.000	MARSHALL WACE LLP	CHF	1.621	12.04.2019	Cash
Equity Swap	27554	27554	0.004	MARSHALL WACE LLP	CHF	1.625	12.04.2019	Cash
Equity Swap	231	231	0.000	MARSHALL WACE LLP	CHF	1.628	12.04.2019	Cash
Equity Swap	713	713	0.000	MARSHALL WACE LLP	CHF	1.630	12.04.2019	Cash
Equity Swap	16563	16563	0.003	MARSHALL WACE LLP	CHF	1.632	12.04.2019	Cash
Equity Swap	3407	3407	0.001	MARSHALL WACE LLP	CHF	1.633	12.04.2019	Cash
Equity Swap	83	83						

Equity Swap	43	43	0.000	MARSHALL WACE LLP	CHF	1.700	12.04.2019	Cash
Equity Swap	379	379	0.000	MARSHALL WACE LLP	CHF	1.701	12.04.2019	Cash
Equity Swap	3374	3374	0.001	MARSHALL WACE LLP	CHF	1.711	12.04.2019	Cash
Equity Swap	39	39	0.000	MARSHALL WACE LLP	CHF	1.712	12.04.2019	Cash
Equity Swap	102	102	0.000	MARSHALL WACE LLP	CHF	1.712	12.04.2019	Cash
Equity Swap	9428	9428	0.002	MARSHALL WACE LLP	CHF	1.714	12.04.2019	Cash
Equity Swap	109	109	0.000	MARSHALL WACE LLP	CHF	1.714	12.04.2019	Cash
Equity Swap	12396	12396	0.002	MARSHALL WACE LLP	CHF	1.720	12.04.2019	Cash
Equity Swap	2429	2429	0.000	MARSHALL WACE LLP	CHF	1.721	12.04.2019	Cash
Equity Swap	2043	2043	0.000	MARSHALL WACE LLP	CHF	1.722	12.04.2019	Cash
Equity Swap	592	592	0.000	MARSHALL WACE LLP	CHF	1.722	12.04.2019	Cash
Equity Swap	5514	5514	0.001	MARSHALL WACE LLP	CHF	1.722	12.04.2019	Cash
Equity Swap	397	397	0.000	MARSHALL WACE LLP	CHF	1.722	12.04.2019	Cash
Equity Swap	55307	55307	0.009	MARSHALL WACE LLP	CHF	1.725	12.04.2019	Cash
Equity Swap	35	35	0.000	MARSHALL WACE LLP	CHF	1.726	12.04.2019	Cash
Equity Swap	1	1	0.000	MARSHALL WACE LLP	CHF	1.732	12.04.2019	Cash
Equity Swap	524	524	0.000	MARSHALL WACE LLP	CHF	1.733	12.04.2019	Cash
Equity Swap	9364	9364	0.002	MARSHALL WACE LLP	CHF	1.734	12.04.2019	Cash
Equity Swap	217	217	0.000	MARSHALL WACE LLP	CHF	1.734	12.04.2019	Cash
Equity Swap	247	247	0.000	MARSHALL WACE LLP	CHF	1.737	12.04.2019	Cash
Equity Swap	3038	3038	0.000	MARSHALL WACE LLP	CHF	1.740	12.04.2019	Cash
Equity Swap	5539	5539	0.001	MARSHALL WACE LLP	CHF	1.741	12.04.2019	Cash
Equity Swap	76330	76330	0.013	MARSHALL WACE LLP	CHF	1.745	12.04.2019	Cash
Equity Swap	26139	26139	0.004	MARSHALL WACE LLP	CHF	1.746	12.04.2019	Cash
Equity Swap	3452	3452	0.001	MARSHALL WACE LLP	CHF	1.765	12.04.2019	Cash
Equity Swap	30	30	0.000	MARSHALL WACE LLP	CHF	1.784	12.04.2019	Cash
Equity Swap	158	158	0.000	MARSHALL WACE LLP	CHF	1.783	12.04.2019	Cash
Equity Swap	675	675	0.000	MARSHALL WACE LLP	CHF	1.794	12.04.2019	Cash
Equity Swap	3084	3084	0.000	MARSHALL WACE LLP	CHF	1.798	12.04.2019	Cash
Equity Swap	92	92	0.000	MARSHALL WACE LLP	CHF	1.798	12.04.2019	Cash
Equity Swap	495	495	0.000	MARSHALL WACE LLP	CHF	1.801	12.04.2019	Cash
Equity Swap	43011	43011	0.007	MARSHALL WACE LLP	CHF	1.805	12.04.2019	Cash
Equity Swap	115	115	0.000	MARSHALL WACE LLP	CHF	1.806	12.04.2019	Cash
Equity Swap	261	261	0.000	MARSHALL WACE LLP	CHF	1.810	12.04.2019	Cash
Equity Swap	81	81	0.000	MARSHALL WACE LLP	CHF	1.829	12.04.2019	Cash
Equity Swap	369600	369600	0.009	MARBLE BAR ASSET MANAGEMENT LLP	CHF	1.106	25.04.2019	Cash
Equity Swap	31233	31233	0.005	ST2 L.P.	CHF	1.745	30.04.2019	Cash
Equity Swap	177752	177752	0.029	ST2 L.P.	CHF	1.827	30.04.2019	Cash
Equity Swap	15783	15783	0.003	CAPITAL FUND MANAGEMENT S.A.	CHF	1.106	02.05.2019	Cash
Equity Swap	85746	85746	0.014	CAPITAL FUND MANAGEMENT S.A.	CHF	1.090	07.05.2019	Cash
Equity Swap	195882	195882	0.031	CAPITAL FUND MANAGEMENT S.A.	CHF	1.026	08.05.2019	Cash
Equity Swap	11314	11314	0.002	RENAISSANCE TECHNOLOGIES LLC	CHF	1.001	08.05.2019	Cash
Equity Swap	2082	2082	0.000	RENAISSANCE TECHNOLOGIES LLC	CHF	1.136	08.05.2019	Cash
Equity Swap	114986	114986	0.018	CAPITAL FUND MANAGEMENT S.A.	CHF	1.124	13.05.2019	Cash
Equity Swap	129152	129152	0.021	CAPITAL FUND MANAGEMENT S.A.	CHF	1.165	14.05.2019	Cash
Equity Swap	222658	222658	0.036	D E SHAW AND COMPANY INCORPORATED	CHF	1.022	31.03.2023	Cash
Equity Swap	381542	381542	0.061	D E SHAW AND COMPANY INCORPORATED	CHF	1.072	31.03.2023	Cash
Equity Swap	118364	118364	0.019	D E SHAW AND COMPANY INCORPORATED	CHF	1.096	31.03.2023	Cash
Equity Swap	4040500	4040500	0.640	D E SHAW AND COMPANY INCORPORATED	CHF	1.106	31.03.2023	Cash
Equity Swap	84343	84343	0.014	D E SHAW AND COMPANY INCORPORATED	CHF	1.111	31.03.2023	Cash
Equity Swap	162639	162639	0.026	D E SHAW AND COMPANY INCORPORATED	CHF	1.115	31.03.2023	Cash
Equity Swap	165894	165894	0.027	D E SHAW AND COMPANY INCORPORATED	CHF	1.166	31.03.2023	Cash
Equity Swap	49379	49379	0.008	D E SHAW AND COMPANY INCORPORATED	CHF	1.165	31.03.2023	Cash
Total	24'648'832	24'648'832	3.957					

Type of Rights	Number of rights	Voting rights conferred	Percentage	Security ID number (ISIN) if available or basic terms	Currency	Conversion Price/Conversion Rate	Maturity Date	Exercise Type
Convertible Bond	15'413'265	15'413'265	2.474	IC002624451313 Meyer Burger Technology AG	CHF	0.980 / 1.020400	24.09.2020	Physical
Total	15'413'265	15'413'265	2.474					
Grand Total	40'062'097	40'062'097	6.432					