

# UBS Investment Research

# **Complete Genomics Inc**

# 2Q Shortfall for GNOM; Maintain Neutral

#### ■ Results below Street & pricing below our expectations; Bad day for a miss

Q4 revs were \$5.9m (+439% y/y; -14% q/q), below UBS/Street \$8m, on the delivery of ~950 genomes (UBSe 911) at an avg. ASP of ~\$6,200. Total expenses were \$20.8m, below UBSe \$21.5m, but the loss/share of \$0.60 was below Street (\$0.48). In our view, the company-specific portion of today's stock decline was due to the top-line miss, but also considerable pricing erosion. We remain Neutral despite the sell-off, noting that 3Q revenues should be down significantly, & sentiment on names exposed to academic spending remains overwhelmingly negative.

#### ■ Large orders continue to drive backlog, average ASPs now below \$5k

On the call, GNOM announced two new large orders for 2,700 genomes, which brings bookings since 1/1 to 5,700 genomes, or \$30m. This continued solid backlog is encouraging, but we were surprised to see the implied ASPs down more than \$3.5k from 1Q. While we are believers in the power of elasticity of demand for whole genome outsourcing, our new pricing estimates yield lower sales forecasts for '11 & '12, and modeling additional out-year demand is difficult given the low visibility.

#### ■ Mgmt maintains genome shipment forecast for '11; we lower our estimates

Mgmt stated that backlog at the end of 2Q was 2,200 genomes, or \$12m. GNOM expects to ship over 600 genomes in 3Q and 2,400 in 2H11- in line with previous forecasts. We now see '11 sales of \$23.9m (vs. prior \$35m) and loss per share of \$2.11. In '12, we see sales of \$54.2m (vs. prior \$87m) and loss per share of \$1.39.

#### ■ Valuation: Neutral rating; \$8.50 price target (was \$15)

Our PT is derived through DCF analysis, and now incorporates lowers revenue estimates.

12/09	12/10	12/11E	12/12E	12/13E
623	9,388	23,918	54,150	130,950
(34,685)	(47,841)	(56,284)	(43,299)	1,238
(37,049)	(58,306)	(58,776)	(44,499)	834
(6.59)	(3.93)	(2.11)	(1.39)	0.03
0.00	0.00	0.00	0.00	0.00
5-yr hist av.	12/10	12/11E	12/12E	12/13E
-	<-500	-235.3	-80.0	0.9
-	<-500	(289.4)	(135.7)	3.1
-	-4.6	-4.2	-8.4	7.5
-	NM	NM	NM	NM
	623 (34,685) (37,049) (6.59) 0.00 5-yr hist av.	623 9,388 (34,685) (47,841) (37,049) (58,306) (6.59) (3.93) 0.00 0.00 5-yr hist av. 12/10 - <-500 - <500	623 9,388 23,918 (34,685) (47,841) (56,284) (37,049) (58,306) (58,776) (6.59) (3,93) (2.11) 0.00 0.00 0.00  5-yr hist av. 12/10 12/11E  - <-500 -235.3 - <-500 (289.4) - 4.6 -4.2	623 9,388 23,918 54,150 (34,685) (47,841) (56,284) (43,299) (37,049) (58,306) (58,776) (44,499) (6.59) (3,93) (2.11) (1.39) 0.00 0.00 0.00 0.00  5-yr hist av. 12/10 12/11E 12/12E  - <-500 -235.3 -80.0 - <-500 (289.4) (135.7) - 44.6 -4.2 -8.4

Source: Company accounts, Thomson Reuters, UBS estimates. (UBS) valuations are stated before goodwill-related charges and other adjustments for abnormal and economic items at the analysts' judgement.

Valuations: based on an average share price that year, (E): based on a share price of US\$7.71 on 04 Aug 2011 18:42 EDT

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# **Global Equity Research**

Americas

Biotechnology

12-month rating

Neutral

Unchanged

12m price target

US\$8.50

Prior: US\$15.00

RIC: GNOM.O BBG: GNOM US

#### 4 August 2011

Trading data	
52-wk range	US\$17.42-6.85
Market cap.	US\$0.20bn
Shares o/s	25.8m (COM)
Free float	3%
Avg. daily volume ('000)	333
Avg. daily value (m)	US\$4.8

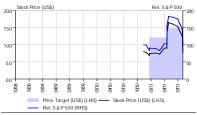
Balance sneet data 12/11E	
Shareholders' equity	US\$0.06bn
P/BV (UBS)	3.6x
Net Cash (debt)	US\$0.03bn

Forecast returns	
Forecast price appreciation	+10.2%
Forecast dividend yield	0.0%
Forecast stock return	+10.2%
Market return assumption	5.3%
Forecast excess return	+4.9%

#### EPS (UBS, US\$)

-		12/11E		12/10
	From	To	Cons.	Actual
Q1E	(0.50)	(0.50)	(0.48)	(51.15)
Q2E	(0.57)	(0.58)	(0.56)	(45.83)
Q3E	(0.51)	(0.54)	(0.45)	(74.43)
Q4E	(0.51)	(0.46)	(0.41)	(0.69)
12/11E	(2.09)	(2.11)	(1.76)	
12/12E	(0.83)	(1.39)	(0.89)	





Source: UBS

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# **Additional Information**

# DCF Valuation Synopsis for GNOM

Table 1: UBS-VCAM Inputs and Valuation for Complete Genomics [GNOM.O]

Key Input		Years: 1-5*	<=6*	10E	15E	25E	CAGR**	Present Valu	ie (per share)	US\$ 7.44
Sales G		85.0%	21.0%	20.0%	10.0%	5.0%	19.6%	. resent valu	(por snare)	υυψ 1.44
Gross Ma	•	59.2%	65.5%	66.0%	67.0%	68.0%	30.4%	1-Year Targe	et (per share)	US\$ 8.55
	Other as % of Sales	66.7%	<u>45.0%</u>	40.0%	35.0%	30.0%	9.9%	i icai raige	(per snare)	U 3 \$ 0.00
EBIT Mar	•	-7.5%	20.5%	26.0%	32.0%	38.0%	NM			
Tax Rate		-27.5%	30.0%	35.0%	35.0%	35.0%	NM		ge Cost of Capital (WA	
	lon-GWA % Sales	21.2%	12.0%	10.0%	8.0%	8.0%	9.5%		Free (US\$) + Spread = 2.619	% + 1.50% = 4.11%
Capex a	s % of Sales	22.6%	16.0%	13.0%	11.0%	9.0%	9.9%			
Acquisition	ons as % of Sales	0.0%	0.0%	0.0%	0.0%	0.0%	NM	1.3		
Other Inp	uits	Years:	<=6*	10E	15E	25E	CAGR**	Equity Risk Premium ("ERP") = Global ERP + Country premium  ** ERP = 4.00% - 0.50% = 3.50%		
	terest Expense [x]	Tours.	440.6x	440.6x	440.6x	440.6x	NM		p Asset Beta x Co. Beta Mult.	x [1+(1-T) x (net D/F)]
	pense as % of Sales		0.0%	0.0%	0.0%	0.0%	NM		0 x 4.37 x [1 + (1 - 15.0%) x -1.	
	pense as % of Sales		17.0%	15.0%	13.0%	11.0%	NM	• • • • • • • • • • • • • • • • • • • •		
	. Quality Adj. as % of	Sales	0.0%	0.0%	0.0%	0.0%	NM		DE] + [L / TC x COL] + [D / TC	
	UNFCF Adj. as % of S		0.0%	0.0%	0.0%	0.0%	NM	-	14.98%] + [0% x NM ]	
	Taxes as % of Taxes		0.0%	0.0%	0.0%	0.0%	NM		4.11% x (1 - 15.0%)] = 14.98%	6
	sts in Inventory		30.0	30.0	30.0	30.0	NM	Value Creation		
	les in A/R		92.0	92.0	92.0	92.0	NM		Sciences Tools & Services)	25 ye
	sts Payable		37.5	40.0	45.0	45.0	NM	+/- Company VCH A		0 ye
.,								= Company VCH (1	<del></del>	25 yea
	PV Factor	UNFCF	PV[UNFCF]	NOPAT	Enterprise a	nd Equity	valuation	V. I. Bichin		
/ear	[WACC=15.0%]	[US\$ k]	[US\$ k]	[US\$ k]	Item	6 DV (14)	251 4.2.	Value [US\$ k]	Notes	
2011E	0.945	(54,907)	(51,867)	(56,284)	Sun	n of PV[UNF(		21,554	[see table at left]	
012E	0.822	(46,662)	(38,336)	(43,299)		Mid-year	adjustment	30,694	[= -51,867 x 59.2%; est. FCF	yta FY2011E]
013E	0.715	(15,228)	(10,881)	949			AT ( 05)	504.7	face table at 1 M	
014E	0.621	840	522	16,145			AT (year 25)	524,775	[see table at left]	
015E	0.541	11,254	6,083	26,242		OPAT Perpet	, ,	3,503,708	[= 524,775 / 14.98%]	
2016E	0.470	(33,980)	(15,974)	35,369	PVĮNOI	PAT Perpetu	ity (year 25)]	116,160	[= 3,503,708 x 0.033]	
2017E	0.409	(3,659)	(1,496)	44,759		lalua af	ating a t	1/0 400	[ 01 FE4 . 20 (04 . 45) 5	0]
2018E	0.356	(4,277)	(1,521)	56,283	V	alue of oper	aung assets	168,408	[= 21,554 + 30,694 + 116,16	UJ
2019E	0.309	(5,105)	(1,579)	70,355		Value of a . !	aharal c 4	207	Continuated on of 4 Accessors	
2020E	0.269	(6,224)	(1,674)	87,459		Value of peri		337	[estimated as of 4 Aug 2011]	
2021E	0.234	4,890	1,144	107,965		of other asse		0	[estimated as of 4 Aug 2011]	
2022E	0.203	13,414	2,729	130,764	Value	of non-oper	aung assets	337	[= 337 + 0]	
2023E	0.177	25,339 41,096	4,484	155,370	AD IIICTI	ED ENTERN	DISE VALUE	140 74/	[_ 160 400   227]	
2024E	0.154	41,096	6,325	181,069	ADJUSTI	ED ENTERPI	KISE VALUE	168,746	[= 168,408 + 337]	
2025E 2026E	0.134	60,922	8,155	206,936	Ch	ort torm dobt	(hook value)	2 455	Inclimated as of A Aug 2011	
	0.116	96,087	11,187	230,843		nort term debt		2,655	[estimated as of 4 Aug 2011]	
2027E 2028E	0.101	113,674	11,511	256,250		ong term debt		0	[estimated as of 4 Aug 2011] [estimated as of 4 Aug 2011]	
2028E 2029E	0.088 0.077	133,302 155,024	11,740 11,874	283,056 311,127		erferred stock alue of debt &		2,655	[= 2,655 + 0 + 0]	
2029E 2030E	0.077	178,863	11,874	311,127			ot adjustment	17,298	[= 2,055 + 0 + 0] [estimated as of 4 Aug 2011]	
2030E 2031E	0.067	204,806	11,916	340,296			•	17,298	[no operating lease capitalization of the company of the capitalization of the capitaliz	
2031E 2032E	0.050	204,806	11,867	401,079	ivolional de	ebt capitalized		0		-
2032E	0.044						nority interest		[estimated as of 4 Aug 2011]	
2033E 2034E	0.044	262,748 294,511	11,516 11,227	432,191 463,395		CLAIMS ABO	VE EQUITY	19,953	[= 2,655 + 17,298 + 0 + 0]	
						Total cach	2. Aquivalanta	12 700	factimated as of A Aug 2011	
2035E 2036E	0.033	327,899	10,871 10,458	494,371 524,775	Do		& equivalents & equivalents	43,780 540	[estimated as of 4 Aug 2011]	
COSOE	0.029	362,675	10,438	324,773		•	equivalents	43,241	[= 9,388 (FY2010 sales) x 3. [= 43,780 - 540]	U/o, (IIIdX. 43,/8U)]
Notes					Sui	ipius casii a	equivalents	43,241	[- 43,700 - 340]	
	re in US\$ k, unless no	ted otherwise				FOI	JITY VALUE	192,033	[= 168,746 - 19,953 + 43,24	1 (min 0)1
	figure used if yr 1-5 no		-5 shown are av	eranes	Fully	dil. shares or		25,810	[estimated as of 4 Aug 2011]	
	Compound annual gr	,				/ VALUE per	0	7.44		
	tion Abbreviations	owiii iaie, zulli	L 10 V C 17 (2030)	-)	EQUITY	VALUE PEI	Silaic [US\$]	1.44	[- 172,033 / 23,010]	
	apital, T = marginal tax	rate NM - No	t Meaningful		1.Voor	Price Target	Calculation			
	equity value, COE = co		r wcamilylui		1-1641		Cost of equity	14.98%	[see COE calculation above]	
	value of debt, COD = 0						Dividend yield		[expected]	
	e value of operating le		et of leasons		Implied 1		et / sh. [US\$]	8.55		%)]
– capitalizi	e value of operating le	ases, COL = C0	or or reases		iniplied 1-	yi price targe	(7 SH. [US\$]	8.55	[- 1.44 x (1 + 14.98% - 0.00°	/0/]

Source: UBS-VCAM

# **Complete Genomics Inc**

Income statement (US\$k)	-	12/07	12/08	12/09	12/10	12/11E	% ch	12/12E	% ch	12/13E	% ch
Revenues	-	-	0	623	9,388	23,918	154.8	54,150	126.4	130,950	141.8
Operating expenses (ex depn)	-	-	(25,062)	(30,068)	(49,211)	(62,702)	27.4	(72,450)	15.5	(104,712)	44.5
EBITDA (UBS)	-	-	(25,062)	(29,445)	(39,823)	(38,784)	-2.6	(18,299)	-52.8	26,238	-
Depreciation (FRIT UPO)	-	-	(2,795)	(5,240)	(8,018)	(17,500)	118.3	(25,000)	42.9	(25,000)	0.0
Operating income (EBIT, UBS) Other income & associates	-	-	<b>(27,857)</b> 437	<b>(34,685)</b> 1,101	(47,841) (9,232)	<b>(56,284)</b> 0	17.6	<b>(43,299)</b> 0	-23.1	<b>1,238</b> 0	-
Net interest	-	-	(974)	(3,465)	(1,233)	(2,492)	102.1	(1,200)	-51.8	(150)	- <i>87.5</i>
Abnormal items (pre-tax)	-		0	(3,403)	(1,233)	(2,472)	102.1	(1,200)	-51.0	(130)	-07.5
Profit before tax	-		(28,394)	(37,049)	(58,306)	(58,776)	0.8	(44,499)	-24.3	1,088	
Tax	-	_	0	0	0	0	-	0	-	(254)	_
Profit after tax	-		(28,394)	(37,049)	(58,306)	(58,776)	0.8	(44,499)	-24.3	834	-
Abnormal items (post-tax)	-	-	0	0	0	0	-	0	-	0	-
Minorities / pref dividends	-	-	0	0	0	0	-	0	-	0	-
Net income (local GAAP)	-	-	(28,394)	(37,049)	(58,306)	(58,776)	0.8	(44,499)	-24.3	834	-
Net Income (UBS)	-	-	(28,394)	(37,049)	(58,306)	(58,776)	0.8	(44,499)	-24.3	834	-
Tax rate (%)	_	_	0	0	0	0		0	_	23	_
Pre-abnormal tax rate (%)	-	-	0	0	0	0	-	0	_	23	_
Per share (US\$)	-	12/07	12/08	12/09	12/10	12/11E	% ch	12/12E	% ch	12/13E	% ch
EPS (local GAAP) EPS (UBS)	-	-	(369.36) (369.36)	(6.59) (6.50)	(3.93)	(2.11)	-46.5 -46.5	(1.39) (1.39)	-33.8 -33.8	0.03 0.03	-
Net DPS	-	-	(369.36)	(6.59) 0.00	(3.93)	(2.11) 0.00	-40.5	0.00	-33.8	0.03	-
Cash EPS	-	-	(333.01)	(5.66)	(3.39)	(1.48)	-56.4	(0.61)	-58.7	0.78	-
BVPS	-	-	0.02	0.32	2.85	2.13	-25.3	1.37	-35.8	1.94	42.0
Balance sheet (US\$k)	-	12/07	12/08	12/09	12/10	12/11E	% ch	12/12E	% ch	12/13E	% ch
Cash and equivalents	-	-	6,186	7,765	68,918	26,440	-61.6 -19.1	365 14 704	-98.6 104.2	5,198	1325.0
Other current assets Total current assets	-		1,034 <b>7,220</b>	7,254 <b>15,019</b>	10,102 <b>79,020</b>	8,176 <b>34,616</b>	-19.1	16,704 <b>17,068</b>	-50.7	37,666 <b>42,864</b>	125.5 151.1
Net tangible fixed assets	-	-	8,023	14,864	23,843	40,000	-30.2 67.8	42,000	-50.7 5.0	50,000	19.0
Net intangible fixed assets	-		0,023	0	23,043	40,000	- 07.0	42,000	5.0	0 000	17.0
Investments / other assets	-	0	511	395	297	365	22.9	365	0.0	365	0.0
Total assets	-	-	15,754	30,278	103,160	74,981	-27.3	59,433	-20.7	93,229	56.9
Trade payables & other ST liabilities	-	-	6,479	12,055	11,907	12,480	4.8	16,602	33.0	36,049	117.1
Short term debt	-	-	0	0	5,780	500	-91.3	500	0.0	0	-
Total current liabilities	-	-	6,479	12,055	17,687	12,980	-26.6	17,102	31.8	36,049	110.8
Long term debt	-	-	0	0	0	0	-	0	-	0	-
Other long term liabilities	-	-	8,807	10,080	11,837	7,000	-40.9	7,000	0.0	7,000	0.0
Total liabilities	-	-	15,286	22,135	29,524	19,980	-32.3	24,102	20.6	43,049	78.6
Equity & minority interests	-	-	468	8,143	73,636	55,000	-25.3	35,331	-35.8	50,180	42.0
Total liabilities & equity	-	-	15,754	30,278	103,160	74,981	-27.3	59,433	-20.7	93,229	56.9
Cash flow (US\$k)	-	12/07	12/08	12/09	12/10	12/11E	% ch	12/12E	% ch	12/13E	% ch
Net income	-	-	(28,394)	(37,049)	(58,306)	(58,776)	0.8	(44,499)	-24.3	834	-
Depreciation	-	-	2,795	5,240	8,018	17,500	118.3	25,000	42.9	25,000	0.0
Net change in working capital	-	-	293 0	1,322 0	1,697 0	(6,000) 0	-	(4,500) 0	-25.0	(5,000) 0	11.1
Other (operating)  Net cash from operations	-	-	(25,306)	(30,487)	(48,591)	(47,276)	-2.7	(23,999)	-49.2	20,834	
Capital expenditure	-		(25,306)	(9,654)	(18,802)	(17,500)	-6.9	(22,000)	-49.2 25.7	(25,000)	13.6
Net (acquisitions) / disposals	-	-	(7,419)	(9,004)	(10,602)	(17,300)	-0.7	(22,000)	-	(25,000)	-
Other changes in investments	-	-	0	0	0	0	_	0	_	0	_
Cash from investing activities	-	-	(7,419)	(9,654)	(18,802)	(17,500)	-6.9	(22,000)	25.7	(25,000)	13.6
Increase/(decrease) in debt	-	-	0	0	5,780	500	-	500	-	0	-
Share issues / (repurchases)	-	-	25	4	47,175	20,000	-	15,000	-	5,000	-
Dividends paid	-	-	0	0	0	0	-	0	-	0	-
Other cash from financing	-	-	33,623	37,891	796	0	-	0	-	0	-
Cash from financing activities	-	-	33,648	37,895	53,751	20,500	-61.9	15,500	-24.4	5,000	-67.7
Cash flow chge in cash & equivalents	-	-	923	(2,246)	(13,642)	(44,276)	-	(30,499)	-	834	-
FX / non cash items	=	-	-	3,825	74,795	1,798	-89.9	4,424	-35.0	4,000	-8.6
Bal sheet chge in cash & equivalents	-	-	-	1,579	61,153	(42,478)	-	(26,075)	-	4,834	-
Core EBITDA		-	(25,062)	(29,445)	(39,823)	(38,784)	-2.6	(18,299)	-52.8	26,238	
Maintenance capital expenditure	-	-	(7,419)	(9,654)	(18,802)	(17,500)	-2.0 -6.9	(22,000)	-52.6 25.7	(25,000)	13.6
Maintenance net working capital	-	-	293	1,322	1,697	(6,000)	_	(4,500)	-25.0	(5,000)	11.1
Operating free cash flow, pre-tax	-	-	(32,188)	(37,777)	(56,928)	(62,284)	9.4	(44,799)	-28.1	(3,762)	-91.6
Source: Company accounts TIRS estimates (TIRS) valuat										-	

Source: Company accounts, UBS estimates. (UBS) valuations are stated before goodwill-related charges and other adjustments for abnormal and economic items at the analysts' judgement. Note: For some companies, the data represents an extract of the full company accounts.

# **Global Equity Research**

Americas

Biotechnology

10	Noutral
12-month rating	Neutral
12m price target	US\$8.50

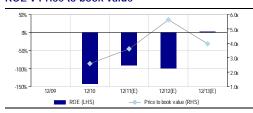
# Company profile

Established in 2006 and headquartered in Mountain View, CA, Complete Genomics is a next generation genetic analysis company that offers whole human genome DNA re-sequencing and data analysis services. Unlike other next generation DNA sequencing companies that sell instruments and consumables directly to customers, Complete Genomics has commercialized its proprietary DNA sequencing platform via an end-to-end genomic services model.

# **Profitability**



# ROE v Price to book value



# Growth (UBS EPS)



# **Complete Genomics Inc**

Valuation (x)	5Yr Avg	12/09	12/10	12/11E	12/12E	12/13E
P/E (local GAAP)	-	-	NM	NM	NM	NM
P/E (UBS)	-	-	NM	NM	NM	NM
P/CEPS	-	-	NM	NM	NM	9.8
Net dividend yield (%)	-	-	0.0	0.0	0.0	0.0
P/BV	-	-	2.6 NM	3.6	5.6	4.0
EV/revenue (core)	-	-	-4.6	6.8 -4.2	2.8 -8.4	1.5
EV/EBIT (core)	-	-				7.5
EV/EBIT (core)	-	-	NM NM	NM NM	NM NM	NM NM
EV/OpFCF (core) EV/op. invested capital	-	-	NM	8.4	4.8	4.9
Eviop. Invested Capital		-	IVIVI	0.4	4.0	4.7
Enterprise value (US\$k)		12/09	12/10	12/11E	12/12E	12/13E
Average market cap		-	191,082	198,995	198,995	198,995
+ minority interests		0	0	(25.452)	(44.520)	(2.522)
+ average net debt (cash)		(6,976)	(6,976)	(35,452)	(44,539)	(2,532)
+ pension obligations and other		(205)	(207)	(2(5)	(2(5)	0
- non-core asset value		(395)	(297)	(365)	(365)	(365)
Core enterprise value			183,810	163,179	154,091	196,098
Growth (%)	5Yr Avg	12/09	12/10	12/11E	12/12E	12/13E
Revenue	-	17.5	NM	154.8	126.4	141.8
EBITDA (UBS)	-	17.5	35.2	-2.6	-52.8	-
EBIT (UBS)	-	24.5	37.9	17.6	-23.1	-
EPS (UBS)	-	-98.2	-40.3	-46.5	-33.8	-
Cash EPS	-	-98.3	-40.1	-56.4	-58.7	-
Net DPS BVPS	-	NM	NM	-25.3	-35.8	42.0
Margins (%) EBITDA / revenue	5Yr Avg	12/09 NM	12/10 NM	12/11E NM	12/12E NM	12/13E 20.0
EBIT / revenue	-	<-500	<-500	-235.3	-80.0	0.9
Net profit (UBS) / revenue	-	NM	NM	NM	NM	0.6
Return on capital (%)	5Yr Avg	12/09	12/10	12/11E	12/12E	12/13E
EBIT ROIC (UBS)	JIIAVy	NM	NM	NM	NM	3.1
ROIC post tax		NM	NM	NM	NM	2.4
Net ROE	-	<-500	(142.6)	(91.4)	(98.5)	1.9
Courses rolled (v)	Γ\/- Δ	12/00	12/10	10/11	10/105	10/105
Coverage ratios (x)  EBIT / net interest	5Yr Avg	12/09	12/10	12/11E	12/12E	12/13E 8.3
Dividend cover (UBS EPS)	-	-	-	-	-	0.3
	_	-	-			
					-	-
Div. payout ratio (%, UBS EPS)  Net debt / FRITDA	-	0.3	1.6	0.7	NM	MM
Net debt / EBITDA	-	0.3	1.6	0.7	NM	NM
Net debt / EBITDA  Efficiency ratios (x)	5Yr Avg	12/09	12/10	12/11E	12/12E	12/13E
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital	5Yr Avg	12/09 NM	12/10	12/11E 1.2	12/12E 1.7	12/13E 3.3
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital Revenue / fixed assets	5Yr Avg - -	12/09 NM 0.1	12/10 1.8 0.5	12/11E 1.2 0.7	12/12E 1.7 1.3	12/13E 3.3 2.8
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital	5Yr Avg - - -	12/09 NM	12/10	12/11E 1.2	12/12E 1.7	12/13E 3.3
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital Revenue / fixed assets	5Yr Avg	12/09 NM 0.1	12/10 1.8 0.5	12/11E 1.2 0.7	12/12E 1.7 1.3	12/13E 3.3 2.8
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital  Revenue / fixed assets  Revenue / net working capital	- - -	12/09 NM 0.1 NM	12/10 1.8 0.5 NM	12/11E 1.2 0.7 NM	12/12E 1.7 1.3 NM	12/13E 3.3 2.8 NM
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital Revenue / fixed assets Revenue / net working capital  Investment ratios (x)	- - -	12/09 NM 0.1 NM	12/10 1.8 0.5 NM	12/11E 1.2 0.7 NM	12/12E 1.7 1.3 NM	12/13E 3.3 2.8 NM
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital Revenue / fixed assets Revenue / net working capital  Investment ratios (x)  OpFCF / EBIT	- - -	12/09 NM 0.1 NM 12/09	12/10 1.8 0.5 NM 12/10 1.2	12/11E 1.2 0.7 NM 12/11E 1.1	12/12E 1.7 1.3 NM 12/12E 1.0	12/13E 3.3 2.8 NM 12/13E NM
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital  Revenue / fixed assets  Revenue / net working capital  Investment ratios (x)  OpFCF / EBIT  Capex / revenue (%)  Capex / depreciation	5Yr Avg - - - -	12/09 NM 0.1 NM 12/09 1.1 NM 1.8	12/10 1.8 0.5 NM 12/10 1.2 NM 2.3	12/11E 1.2 0.7 NM 12/11E 1.1 NM 1.0	12/12E 1.7 1.3 NM 12/12E 1.0 NM 0.9	12/13E 3.3 2.8 NM 12/13E NM 19.1 1.0
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital Revenue / fixed assets Revenue / net working capital  Investment ratios (x)  OpFCF / EBIT  Capex / revenue (%)  Capital structure (%)	- - -	12/09 NM 0.1 NM 12/09 1.1 NM 1.8	12/10 1.8 0.5 NM 12/10 1.2 NM 2.3	12/11E 1.2 0.7 NM 12/11E 1.1 NM 1.0	12/12E 1.7 1.3 NM 12/12E 1.0 NM	12/13E 3.3 2.8 NM 12/13E NM 19.1
Net debt / EBITDA  Efficiency ratios (x)  Revenue / op. invested capital  Revenue / fixed assets  Revenue / net working capital  Investment ratios (x)  OpFCF / EBIT  Capex / revenue (%)  Capex / depreciation	5Yr Avg - - - -	12/09 NM 0.1 NM 12/09 1.1 NM 1.8	12/10 1.8 0.5 NM 12/10 1.2 NM 2.3	12/11E 1.2 0.7 NM 12/11E 1.1 NM 1.0	12/12E 1.7 1.3 NM 12/12E 1.0 NM 0.9	12/13E 3.3 2.8 NM 12/13E NM 19.1 1.0

Source: Company accounts, UBS estimates. (UBS) valuations are stated before goodwill-related charges and other adjustments for abnormal and economic items at the analysis' judgement.

Valuations: based on an average share price that year, (E): based on a share price of US\$7.71 on 04 Aug 2011 18:42 EDT Market cap(E) may include forecast share issues/buybacks.

# **Daniel Arias**

Analyst

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#### **■** Complete Genomics Inc

Established in 2006 and headquartered in Mountain View, CA, Complete Genomics is a next generation genetic analysis company that offers whole human genome DNA re-sequencing and data analysis services. Unlike other next generation DNA sequencing companies that sell instruments and consumables directly to customers, Complete Genomics has commercialized its proprietary DNA sequencing platform via an end-to-end genomic services model.

#### **■ Statement of Risk**

As a service business, Complete Genomics future hinges on sample volumes accelerating at a pace fast enough to offset anticipated price erosion. As such, if the market for whole human genome sequencing does not develop as anticipated, then it could be difficult for Complete Genomics to grow its business. While Complete Genomics' technology is competitive today and has room for advancement, the pace of technology development in next generation DNA sequencing has so far exceeded most expectations, and so it is difficult to assess if the company's platform can remain competitive going forward. Moreover, in order to advance its platform the company needs to invest in R&D, which in turn could hamper profitability. If the company cannot expand capacity fast enough to meet anticipated demand, then the business could suffer. The attractiveness of the genomics outsourcing market has lured a number of new entities to begin offering similar services, and if one or more of these players price their offerings below Complete Genomics, it could be difficult for the company to either compete or reach profitability. Declines or delays in government funding to academic laboratories, as well as slowdowns in R&D spending by pharmaceutical and biotechnology companies, could negatively impact Complete Genomics' business. As an unprofitable genomics company, Complete Genomics' share price is likely to experience significant volatility, especially if, in the future, the company needs to raise additional capital. As such, we view GNOM shares as better suited for sophisticated investors with a high tolerance for risk as part of a broadly diversified investment portfolio.

### ■ Analyst Certification

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#### **UBS Investment Research: Global Equity Rating Allocations**

UBS 12-Month Rating	Rating Category	Coverage <sup>1</sup>	IB Services <sup>2</sup>
Buy	Buy	54%	39%
Neutral	Hold/Neutral	39%	35%
Sell	Sell	7%	14%
UBS Short-Term Rating	Rating Category	Coverage <sup>3</sup>	IB Services <sup>4</sup>
Buy	Buy	less than 1%	33%
Sell	Sell	less than 1%	25%

<sup>1:</sup>Percentage of companies under coverage globally within the 12-month rating category.

Source: UBS. Rating allocations are as of 30 June 2011.

### **UBS Investment Research: Global Equity Rating Definitions**

UBS 12-Month Rating	Definition
Buy	FSR is > 6% above the MRA.
Neutral	FSR is between -6% and 6% of the MRA.
Sell	FSR is > 6% below the MRA.
UBS Short-Term Rating	Definition
Buy	Buy: Stock price expected to rise within three months from the time the rating was assigned because of a specific catalyst or event.
Sell	Sell: Stock price expected to fall within three months from the time the rating was assigned because of a specific catalyst or event.

<sup>2:</sup>Percentage of companies within the 12-month rating category for which investment banking (IB) services were provided within the past 12 months.

<sup>3:</sup>Percentage of companies under coverage globally within the Short-Term rating category.

<sup>4:</sup>Percentage of companies within the Short-Term rating category for which investment banking (IB) services were provided within the past 12 months.

#### **KEY DEFINITIONS**

Forecast Stock Return (FSR) is defined as expected percentage price appreciation plus gross dividend yield over the next 12 months.

Market Return Assumption (MRA) is defined as the one-year local market interest rate plus 5% (a proxy for, and not a forecast of, the equity risk premium).

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**UBS Securities LLC:** Daniel Arias.

# **Company Disclosures**

Company Name	Reuters	12-mo rating	Short-term rating	Price	Price date
Complete Genomics Inc <sup>2, 4, 5, 6, 16</sup>	GNOM.O	Neutral	N/A	US\$7.71	04 Aug 2011

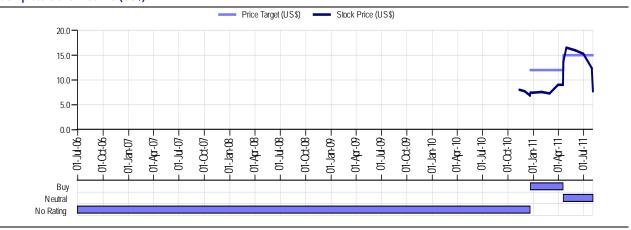
Source: UBS. All prices as of local market close.

Ratings in this table are the most current published ratings prior to this report. They may be more recent than the stock pricing date

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# Complete Genomics Inc (US\$)



Source: UBS; as of 04 Aug 2011

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