

# SERVICE AGREEMENT

This BGI TECH SOLUTIONS (HONGKONG) CO., LIMITED SERVICE AGREEMENT (collectively, the "Agreement") is entered into on August 28,2017 ("Effective Date"), by and between BGI TECH SOLUTIONS (HONGKONG) CO., LIMITED ,with its principal place of business at 16 Dai Fu Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong .("Provider") and Charles University in Prague , with its registered office located at Viničná 5, 128 43 Praha 2, Prague, Czech Republic ("Customer") Provider and Customer are individually referred to herein as a "Party" and collectively as the "Parties". The provision of services hereunder is also subject to the Terms and Conditions of Service attached hereto as Exhibit A. The Terms and Conditions, as well as other exhibits and schedules attached hereto (if any), shall be incorporated herein by reference and form an integral part of the Agreement. The Parties agree to be legally bound by this Agreement, including the Terms and Conditions set forth on Exhibit A.

## 1 Overview of Services

Customer will provide yeast CHIP-ed DNA or cell line to Provider for CHIP sequencing. Provider will generate at least 20M clean reads (reads after removing adaptor pollution and low quality sequence) per sample, and transfer clean data (.fq files) and the results of bioinformatics analysis (if any) to Customer.

## 2 Samples and Customer Deliverables

### 1 ) Basic requirements

1. Main bands of the fragmented DNA in electrophoresis should be preferably in the range of 100-500bp, and the main peak is obvious.
2. Total DNA mass ≥ 10ng (The more the better).
3. In the sample package, please attach a sample information sheet.
4. To ensure the accuracy of ChIP-Seq, Input DNA is needed at the same time.

### 2 ) Sample recommendation

1. It is recommended to provide Q-PCR results for ChIP experiments to confirm the specificity of ChIP experimental results.
2. OD260 / 280: 1.8-2.2.
3. DNA concentration ≥ 1ng / ul.
4. Provide DNA fragmentation gel picture, and indicate the size of the DNA fragment and the main band.

### 3 ) Precautions

1. BGI will use Qubit to detect DNA samples quality, we only acknowledge BGI's final test results.
2. If the total amount of DNA exceeds 15ng, the sample will be backed up.
3. After the project is completed, the remaining samples will no longer be saved.

### 4 ) Sample transport

1. Use a EP tube sealed with parafilm membrane to store the sample and indicate the sample name, concentration and date on the cap. If the sample is more than one tube, keep all sample tubes in a 50 ml EP tube and then place them in the transport ice box.
2. Using dry ice to transport samples are strongly recommended.
3. DNA samples should be transported to BGI in the shortest possible time.

### 5 ) Library construction risk

- 1.The total mass less than 10ng: For 5-10ng of the sample can try to construct the library, but there is a certain degree of sequencing risk. If the DNA fragment size is fully consistent with the sample requirements (100-500 bp), and the purity is high, the risk is relatively low.
- 2.There is a difference between gel results (after supersonic treatment) and the real fragment size, which may affect library results. In ChIP experiment, although the fragment ranges of supersonic results are from 100bp to 500bp, the differences still exist after antibody enrichment. In very occasional cases, the real fragment size is longer than 500bp or shorter than 100bp, which will cause unqualified libraries. Thus, in some cases, we failed to construct libraries although the sample passes our test.



3. We suggest to validate the reliability of ChIP experiment by choosing a reasonable positive DNA binding region for q-PCR experiment after ChIP enrichment, but this method is not suitable for the ChIP experiment without positive control sequence.

4. ChIP sample contains DNA contamination from other species; it may lead to inferior sequencing data quality. In very accidental situations, contamination from exogenous species will present in ChIP samples and it can only be discovered in bioinformatics analysis after the sequencing is finished. Therefore, we recommend customers to strictly control the contamination in sample preparation to reduce the risk.

5. ChIP sample contains significant protein contamination, ion contamination, or other impurities, which may lead to abnormal peak in Bioanalyzer 2100 results, and influencing the enzyme reactions in construct library process, resulting in the failure of libraries construction.

### 3 Provider Deliverables

The whole project will be finished within 45 work days upon receipt of the last batch of qualified samples and the prepayment from Customer. Extra work days shall be given to any personalized procedures required. The following information will be deliverable upon receipt of the remaining payment from Customer:

Provider will analyze and provide the following information upon the successful pass of sample QC

1. Guaranteed at least 20M reads per sample

2. Data cleaning

Data processing includes removing adaptors contamination and low quality reads from raw reads

3. Bioinformatics analysis (if any)

The detailed bioinformatics analysis service content that Provider could provide is shown below

Bioinformatics contents:

1 Data Filtering and Quality Control

1.1 Data Statistics

1.2 Analysis of Base Composition and Quality

2 Align Reads to the Reference Genome (based on 1)

2.1 Alignment Statistics

2.2 Genome Depth Distribution

2.3 Gene Depth Distributions

3 Peak Analysis (based on 1, 2)

3.1 Peak Scanning

3.2 Peak Length Distribution 3.3 Peak Depth Distribution

4 Peak Annotation (based on 1, 2, 3)

4.1 Peak Distribution on Gene Elements 4.2 Peak Related Gene

4.3 GO Analysis of Peak Related Gene

4.4 Pathway Analysis of Peak Related Gene

5 Identify Differential Peaks between Samples (based on 1, 2, 3) 6 Differential Peaks Annotation (based on 1, 2, 3, 5)

6.1 Differential Peaks Distribution on Gene Elements 6.2 Differential Peaks Related Gene

6.3 GO Analysis of Differential Peak Related Gene

6.4 Pathway Analysis of Differential Peak Related Gene



**4 Logistics assistance service**

4.1 Customer assumes the logistics cost. Customer is free to choose the logistics service provider. If Customer chooses the logistics service provider cooperating with Provider, Customer shall be entitled to: settle the logistics cost according to the preferential price enjoyed by Provider; Provider should pay the logistics cost for Customer in advance.

Provider does not recommend Customer any logistics service provider. All the information provided by Provider is just for the reference purpose. Customer does not assume any guarantee or joint liability for any service provided by logistics service provider. Before choosing the logistics service provider, Customer should understand all the risks and liabilities, and make any decision cautiously.

4.2 Customer should sign the logistics contract with any of the chosen logistics service provider, and assume all the legal liabilities under the contract.

4.3 Customer is responsible for all the matters in the transportation process, including but not limited to insurance, approval procedures and customs clearance. Provider is not liable for any liabilities hereof.

4.4 Customer promises and warrants the shipment sent complies with all laws and regulations of the dispatching area, receiving area or any other area involved in the shipment, and assumes all liabilities hereof.

4.5 Provider does not make advanced logistics payment, unless Customer chooses the logistics service provider cooperating with Provider.

4.6 Customer repays Provider, according to Article 5, the logistics cost which Provider pays in advance.

**5 Service Fees**

Total Service Fee: USD 10,800.00

Product: BGISEQ-500 ChIP-seq

Service	Unit Cost	Quantity	Amount
20M clean reads			10,800.00
Grand Total: USD 10,800.00			
Turnaround Time: 45 Workdays			

**6 Payment Method**

6.1 The total Service Fees shall be paid by Customer to Provider to the account of Provider as specified in Section 6.2(or such other account designated by Provider from time to time in writing) in such installment shall become payable and due as following:

(a) Full payment in the amount of USD10800.00 shall be paid upon the signing of this Agreement.

(b) All payments set forth on an invoice shall be due within 30 days following the date of such invoice.

**6.2 Account details:**

Account Name: BGI TECH SOLUTIONS (HONGKONG) CO., LIMITED

Account No.:

Bank: HSBC Hong Kong

Swift code: HSBCHKHHHKH

**7 Samples**

7.1 Customer affirms, that the biology samples provided to Provider comply with obligations and norms set by international and national laws and ethical policies (including but not limited to human, other animals, plants, a microbiology); that the collection of blood and other samples from a human has been obtained after the subject has provided Informed Consent (including but not limited to being in written form or other forms approved by institutional ethics board).

7.2 Customer affirms, that their research has been approved by its institutional ethics board and is in compliance



with international and national laws and ethical policies. Customer will also provide Provider with a blank copy of the Informed Consent Form used for Provider to file with all agreements. Should Provider have its own institutional ethics board, customer agrees to submit the research proposal to Provider's institutional ethics board and authorizes Provider's institutional ethics board to carry out the proper review.

7.3 Customer shall login <http://www.bgisample.com> to fill out all required fields and submit the sample information. A hard copy of the complete sample information sheet, as a exhibit of this Agreement, must accompany your Samples in the delivery . Customer shall be responsible for any delay of the Project and the pre-experimental sample test if the sample information sheet is incomplete, false, or delayed in delivery..

7.4 After receiving the Samples, Provider shall examine the amount and quality of such Samples. If, based on such examination, Provider determines that Customer has failed to provide sufficient amount of Samples for Provider to perform the Services, or that the Samples do not meet Provider's then-current sample quality control criteria, Provider shall notify Customer and Customer shall deliver to Provider additional Samples or replace the Samples at its own costs.

7.5 As to any Samples left after completion of the Project, Customer shall elect one of the following ways to handle the remaining Samples:2

( 1 ) Destroy the remaining Samples;

( 2 ) Store the Samples for Customer for up to [0.5years] at the costs of Customer at the then-current list prices of Provider; in which case, Provider will not guarantee the quality of the Samples, although it will follow the standard practice in storing the Samples.

Customer shall notify Provider in writing of its decision to choose one of the options listed above within 3 months after the completion of the Project; provided that in the event that Customer fails to notify Provider in writing of its choice, Provider shall have the right to destroy the Samples without Customer's prior consent .

7.6 Human genetic resource management.

7.6.1 According to the Interim Administrative Measures of the Ministry of Science and Technology and the Ministry of Health on Human Genetic Resources (hereinafter referred to as "the Measures") , Parties involved in such activities in China as sampling, collecting, researching, developing, trading or exporting human genetic resources (refers to the genetic materials such as human organs, tissues, cells, blood specimens, preparations of any types or recombinant DNA constructs, which contain human genome, genes or gene products as well as to the related information, hereinafter referred to as "human genetic resources") or taking such resources out of China shall abide by the Measures. If this Agreement is related to Chinese human genetic resources, the Agreement will not be official effective unless it has got prior approval from Human Genetic Resource Administration of China (hereinafter referred to as the HGRAC)

IN WITNESS WHEREOF, the Parties have executed this Agreement in duplicate originals by their duly authorized representatives as of the Effective Date.

SIGNED for and on behalf of Charles University in Prague	<i>DR NEMEC, PH.D.</i>	SIGNED for and on behalf of BGI TECH SOLUTIONS (HONGKONG) CO., LIMITED
26-10-2017		
Signature : _____		Signature : _____
Name: Martin Prevorovsky		Name: <i>Cao Sujie</i>
Title:		Title: <i>CEO</i>
Address: Viničná 5, 128 43 Praha 2, Prague, Czech Republic		Address: 16 Dai Fu Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong
Email: martin.		Email: _____
Tel: +420 221951801		Tel: 13824393378

UNIVERZITA KARLOVA  
PŘÍRODOVĚDECKÁ FAKULTA  
Albertov 6, 128 43 Praha 2  
IČO: 00216208, DIČ: CZ00216208  
UK-2



## EXHIBIT A TERMS AND CONDITIONS OF SERVICE

These Terms and Conditions of Services (these "Terms and Conditions") apply to the provision of Services and Deliverables set forth on the cover page of this Agreement ("Cover Page") signed by Provider and Customer. Provider does not accept, expressly or impliedly, and Provider hereby rejects, any additional or different terms or conditions that Customer may present, including but not limited to, any terms or conditions contained or referenced to in any order, acceptance, acknowledgment, or other document, or established by trade usage or prior course of dealing, unless Provider expressly and unambiguously agrees to such terms and conditions in a duly signed writing.

### 1.1 DEFINITIONS.

Unless the context otherwise requires, capitalized terms used in this Agreement shall have the following meanings:

- 1.1.1 "Agreement" means the BGI TECH SOLUTIONS (HONGKONG) CO., LIMITED Service Agreement signed by and between Provider and Customer, including these Terms and Conditions, as well as other exhibits and schedules attached thereto (if any), which are incorporated thereto by reference and form an integral part thereof.
- 1.1.2 "Intellectual Property" means patents, patent applications, inventions, ideas, data, analysis, results, concepts, discoveries, models, design information, material preparations, apparatus, compositions of matter, methods or processes, know-how, trade secrets, technical information, copyrights (including, without limitation, software, firmware, algorithms, computer programs, and multi-media works), and other intellectual, proprietary or industrial property (whether registered, unregistered or pending).

### 1.2 SAMPLES.

- 1.2.1 All Samples must be delivered by Customer to the site designated by Provider no later than fifteen (15) days after execution of the Agreement, unless extended
- 1.2.2 Customer represents and warrants that (a) it owns or has the right to provide the Samples to Provider for use in connection with the Project, and such delivery and use will not violate any obligation that Customer owes to any person or entity; (b) it has secured all approvals, licenses, permits and registrations that are required to deliver the Samples to Provider for use in connection with the Project, and (c) Provider's use of the Samples for the Project will not infringe any Intellectual Property or other propriety rights of any third party, or violate any legal or ethical requirements. In the event of any breach of any of the foregoing representations and warranties, Customer shall indemnify and hold harmless Provider and its affiliates, and their respective directors, officers, employees, representatives, licensors and agents (collectively, "Provider Indemnitees") from and against any losses, costs, damages, liabilities or claims of any kind relating to or resulting from such breach.
- 1.2.3 Customer shall strictly follow Provider's instructions for shipping and handling the Samples. Customer shall ensure that at the time when it is delivered to Provider, each Sample shall meet the applicable sample quality control criteria established by Provider. Provider reserves the right to change the sample quality control criteria from time to time; provided that Provider shall promptly provide Customer with written notification of any such changes.
- 1.2.4 Provider shall not be required to start performing any Services or carry out any activities under the Project if Customer fails to deliver sufficient amount of Samples that conform to the applicable sample quality control criteria for the Project, or the completed sample information sheet in accordance with this Agreement; nor shall Provider be liable to Customer for any delay in completing the Services and/or the Project arising from or caused by such failure.
- 1.2.5 For clarity, nothing contained in the Agreement or these Terms and Conditions shall prohibit or restrict Provider from conducting sequencing activities on its own samples or samples provided by any third party that are the same as or similar to the Samples as long as Provider does not use the Samples in conducting such sequencing activities for itself or the third party.

### 1.3 DELIVERABLES.

- 1.3.1 Upon completion of the Services, Provider shall provide to Customer a report containing the information specified in Section 1 of the Cover Page, as well as such other information as the Parties may mutually agree in writing (collectively, the "Deliverables"). Provider shall deliver a concluding report to Customer via email designated by Customer's project representative after completion of the project. The service shall be deemed completed. If Customer receives the concluding reports with no feedback within a month, it shall be deemed as this project delivery result satisfied to Customer. Provider will provide all the Deliverables through a secured website or server to Customer. If Customer requires the



- Deliverables be delivered in the form of a hard disk, extra cost as indicated in the Cover Page will be charged to Customer. In the event of the Data delivery will violate any applicable law in sample-collected country and in China or any problems occurred during the Data delivery as a result of the illegal collection of samples, Customer will be responsible for all legal liabilities and any consequences involved. Provider will not be liable for any responsibility and obligation..(For any discrepancy, the Customer's email designated by its project representative shall prevail. The Provider's email by which Provider delivers the concluding report shall prevail.)
- 1.3.2 The project representatives are responsible for the confirmation of project schedule. Provider shall deliver data download website, account number, password to Customer via email designated by Customer's project representative after completion of the project. If Customer downloads the data with no feedback within 30 days, it shall be deemed as this project delivery result satisfied to Customer.(For any discrepancy, the Customer's email designated by its project representative shall prevail. The Provider's email by which Provider delivers data download shall prevail.)
- 1.3.3 With respect to any given Sample, Provider shall be deemed to have completed the Services for such Sample upon its delivery of the applicable Deliverables therefor, and Provider shall have no obligation to perform any further Services on such Sample after the applicable Deliverables have been delivered to the Customer.
- 1.3.4 After the Services for all Samples are completed and all of the Deliverables therefor are delivered to Customer, the Project shall be deemed completed, and Provider shall answer Customer's queries by phone or email regarding the Deliverables during normal business hours for six months after the date of delivery, and keep all the data generated in the Project only for three months after the completion date, in each case, free of charge. Provider shall destroy the data at the end of the three months period. If Customer desires storage of the data beyond the three months period, it shall notify Provider of such request at least 7 days before the end of the three months period in writing, and sign a supplemental agreement setting forth the fees, amount and timeframe for the data storage service. If the Parties fail to sign such a supplemental agreement prior to the end of the three months period, Provide shall have the right to destroy the data without further Customer's prior written consent.
- 1.4 SERVICE FEES. Fees for the Services provided hereunder are specified in Section 5 of the Cover Page, and are valid solely for the Project during the period set forth therein..Unless otherwise specified in the Cover Page, prices are for the specific quantity stated and do not include taxes or charges for transportation, insurance, special packaging, or marking.
- 1.5 PAYMENT TERMS.
- 1.5.1 Customer shall identify and provide contact information for individual(s) to whom invoices should be sent in the Cover Page. The invoices shall be deemed received by Customer (a) if sent by personal delivery, on the date of personal delivery; (b) if sent by post, on the seventh (7th) day after the date mailed (as indicated by the postmark) by registered airmail, postage prepaid, or the third day after delivery to EMS or any other internationally recognized courier service, or (c) if sent by facsimile shall be deemed effectively given upon receipt by the sender of a confirmed transmittal receipt.
- 1.5.2 Customer agrees to pay the entire amount of each invoice issued by Provider without offset or deduction. Unless specified otherwise in the Cover Page, payment terms are net thirty (30) days from date of invoice.
- 1.5.3 If payment is not received by the due date, interest shall accrue on all unpaid amounts at the rate of 1.5% per month or the maximum legally permitted rate, whichever is higher.
- 1.5.4 All payments made by Customer to Provider shall be made in [USD] via wire transfer to a bank account specified in the Cover Page or otherwise designated by Provider from time to time in writing.
- 1.5.5 n the event that Customer fails to make any payment that becomes due and payable by the applicable due date, Provider shall not be required to provide any further Services under this Agreement until such payment is made in full, nor shall Provider be liable to Customer for any delay in completing the Services and/or the Project arising from or caused by such failure.
- 1.6 TRANSFORM TERMS. The parties confirm that the transfer application must be made in writing and must be signed by Customer. If Customer fails to submit in written form within ten (10) working days after its application, it will be considered as customer's acceptance of Provider's transform mode. And the Provider has the right to dispose the transfer in a reasonable way.
- 1.7 TAXES. Customer shall be responsible for the payment of any and all sales, use, and excise taxes and all



other taxes and, if any, charges other than income taxes, assessed in connection with the Services or this Agreement.

1.8 OWNERSHIP.

1.8.1 Subject to the terms and conditions of this Agreement (including Customer's compliance with the payment obligations), all Deliverables to be delivered by Provider to Customer hereunder shall be exclusively owned by Customer; provided that ownership in the Deliverables shall revert in its entirety to Provider if Customer fails to make any payment that becomes due and payable at the applicable due date, which failure remains uncured after [30days] from such due date. [Customer hereby agrees to grant to Provider a worldwide, perpetual, fully paid-up, royalty-free and non-exclusive right and license to use the Deliverables for any purpose.]

1.8.2 Notwithstanding anything to the contrary, as between the Parties, Provider shall be the exclusive owner of any and all technologies, methods, data, analysis, materials, proprietary information or any other Intellectual Property (i) owned, controlled or used by Provider or any of its affiliates prior to the Effective Date, (ii) acquired or developed by, for or on behalf of Provider at any time independently of Services provided hereunder, and/or (iii) developed in performing the Services under this Agreement which are not Deliverables, including in each case, any and all improvements, enhancements, updates, alterations, modifications, derivations or changes thereto (collectively, the "Provider Property"), and shall be free to make, have made, use, sell, or modify, alter, adapt, publish or distribute, and/or otherwise exploit such Provider Property for any purpose whatsoever.

1.8.3 Customer acknowledges and agrees to take all appropriate steps reasonably requested by Provider to secure for Provider all rights and benefits in and to any Provider Property, to protect Provider's rights in Provider Property and to appoint Provider as Customer's attorney-in-fact to enable Provider to record, file and prosecute any application for, and acquire, maintain and enforce, any Intellectual Property rights and any other rights in the Provider Property throughout the world in all languages and in all media and forms of expression and communication now or later developed.

1.9 INDEMNITY. Customer agrees to indemnify, defend and hold harmless Provider Indemnitees from and against any and all losses, expenses (including reasonable legal counsel fees and expenses), costs, liabilities, or damages (the "Losses") to which any Provider Indemnitee may become subject as a result of any claim, demand, action or other proceeding by any third party arising out of (i) any claim of infringement of the ownership, intellectual property rights or any other rights of a third party arising from or relating to the Samples, (ii) any breach by Customer of any representation, warranty, covenant, agreement, or obligation hereunder, or (iii) Customer's use of the Deliverables or any data or information contained therein, including without limitation, Customer's use of the data or the information contained therein to research, develop, or commercialize products. Notwithstanding the foregoing, Customer shall not have any indemnification obligations to the extent any Loss arises out of the gross negligence or willful misconduct of Provider in performance of the Services.

1.10 PUBLICITY. Customer agrees that Provider may publicly identify Customer as a Customer.

1.11 CONFIDENTIALITY.

1.11.1 "Confidential Information" shall mean any and all confidential or proprietary information in tangible form that either Party (the "Receiving Party") may receive from the other Party (the "Disclosing Party") or otherwise acquire under this Agreement, including but not limited to information regarding the businesses, markets, strategies, service prices, budget, technologies, products, facilities, processes, designs, specifications, requirements, inventions, ideas, trade secrets, know-how, and other confidential or proprietary business, technical and financial information of the Disclosing Party.

1.11.2 The Receiving Party shall use its commercially reasonable efforts to maintain the confidentiality of the Confidential Information of the Disclosing Party and shall not disclose such information to any third party or use it for any purpose other than for performing its obligations hereunder or otherwise expressly permitted herein. Notwithstanding the foregoing, a Receiving Party may disclose the Confidential Information of a Disclosing Party to its employees, officers, directors, agents, consultants, or advisors in order to perform the Receiving Party's obligations or engage in activities contemplated hereunder; provided that such disclosure is made on a need-to-know basis and the receiving parties are bound by confidentiality obligations.

1.11.3 The obligations imposed upon the Receiving Party under Section 11.2 shall not apply to any information which: (a) was already known to the Receiving Party prior to the disclosure; (b) is or becomes publicly



- known through no fault of the Receiving Party; (c) is rightfully obtained by the Receiving Party from a third party with no obligation of confidentiality; (d) is developed independently by the Receiving Party without the use of or reference to the Disclosing Party's Confidential Information; (e) is approved for release by prior written consent of the Disclosing Party; or (f) is required to be disclosed by any applicable law or regulation or any order of a court of competent jurisdiction or governmental agencies, provided however, that prior to such disclosure the Receiving Party shall inform the Disclosing Party sufficiently in advance to provide the Disclosing Party an opportunity to take necessary protective measures to prevent or limit the disclosure of such Confidential Information.
- 1.11.4 The obligations set forth in Section 11 shall remain in effect during the term of this Agreement and for five (5) year following the expiration or early termination of this Agreement.
- 1.12 CHANGES. Provider reserves the right to change the methodologies used in performing the Services.
- 1.13 ASSIGNMENT. Customer shall not be permitted to assign or otherwise transfer its rights or obligations under this Agreement without the prior written consent of the Provider. Any assignment or attempted assignment in violation of this Section 13 shall be null and void and of no legal effect. Provider may assign this Agreement and/or its rights or delegate its obligations hereunder to an affiliate, in whole or in part, without prior written consent of Customer.
- 1.14 Customer represents and warrants to Provider that (a) it has the full power and authority to enter into and to perform this Agreement, and there is no contract, agreement, promise, undertaking or other fact, conflict and/or circumstance which would prevent the full execution and performance of this Agreement by it, and (b) it will comply with all local, state, and federal regulations and laws, or the foreign equivalents thereof, in the performance of its obligations under this Agreement, including without limitation, the delivery of Samples to Provider.
- 1.15 TERM AND TERMINATION.
- 1.15.1 The term of this Agreement ("Term") shall commence on the Effective Date and shall continue until (a) the Project has been completed, or (b) the Agreement is terminated earlier under this Section 15
- 1.15.2 Provider may terminate this Agreement, at any time and at its sole discretion (a) upon fifteen (15) days' written notice to Customer; or (b) immediately upon notice to Customer in the event that Customer (i) becomes insolvent or unable to pay its debts as they become due (ii) makes an assignment for the benefit of creditors; (iii) becomes the subject of any bankruptcy, insolvency, or similar proceeding; or (iv) is acquired by or merges with or into another party. Sections 1, 2.5 and 5 to 21 of these Term and Conditions shall survive any termination or expiration of this Agreement, and expiration or termination of this Agreement shall not relieve either Party of any obligation accrued prior to such expiration or termination and shall have no prejudice to other remedies such Party may have at law or equity. For clarity, after the termination of this Agreement for any reason, Provider shall invoice Customer fees for Services provided through the date of termination, and Customer shall pay such invoiced amount promptly, but in any event no later than thirty (30) days after the date of the invoice.
- 1.16 NO WARRANTIES. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PROVIDER MAKES NO WARRANTIES OR REPRESENTATIONS OF ANY KIND AS TO ANY MATTER WHATSOEVER. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PROVIDER HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, WITH RESPECT TO THE SERVICES AND/OR DELIVERABLES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.
- 1.17 LIMITATION OF LIABILITY. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY OR ANY THIRD PARTIES FOR ANY CONSEQUENTIAL, INCIDENTAL, PUNITIVE, CONTINGENT, STATUTORY OR ANY OTHER SPECIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS OR LOSS OF DATA) ARISING OUT OF OR RELATED TO THE AGREEMENT, WHETHER IN CONTRACT, TORT, OR OTHERWISE, EVEN IF PROVIDER WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- 1.18 FORCE MAJEURE. Neither Party shall be liable to the other Party for any failure to perform any of its obligation hereunder to the extent that such failure is due to circumstances beyond its control. The affected Party shall notify the other Party as soon as practicable of the occurrence of any such circumstance, and the Parties shall meet to consider what steps, if any, can be taken to overcome such circumstance.
- 1.19 COUNTERPARTS. This Agreement is executed in two sets of two counterparts, each of which shall be deemed to be an original. Each set with both counterparts shall constitute one and the same agreement.
- 1.20 MISCELLANEOUS.



- 1.20.1 In the event of any inconsistency or conflict between the provisions of the Cover Page and these Terms and Conditions: (a) in so far as they relate to payment terms, Service Fees, procedures for handling and shipping of samples, or delivery of Deliverables, the provisions of the Cover Page shall prevail; and (b) in all other instances, provisions of these Terms and Conditions shall prevail.
- 1.20.2 If any provision hereof should be held invalid, illegal or unenforceable in any jurisdiction, the Parties shall negotiate in good faith a valid, legal and enforceable substitute provision that most nearly reflects the original intent of the Parties and all other provisions hereof shall remain in full force and effect in such jurisdiction and shall be liberally construed in order to carry out the intentions of the Parties as nearly as may be possible. Such invalidity, illegality or unenforceability shall not affect the validity, legality or enforceability of such provision in any other jurisdiction.
- 1.20.3 The Cover Page and these Terms and Conditions Agreement, including schedules and exhibits contained herein and therein, set forth all the covenants, promises, agreements, warranties, representations, conditions and understandings between the Parties and supersedes and terminates all prior agreements and understandings between the Parties. No subsequent alteration, amendment, change or addition to this Agreement shall be binding upon the Parties unless reduced to writing and signed by the respective authorized officers of the Parties. Provider's failure to insist upon strict compliance with any of the terms, covenants, or conditions hereof shall not be deemed a waiver by Provider of such term, covenant, or condition, nor shall any waiver or relinquishment by Provider of, or failure to insist upon strict compliance with, any right, power or remedy hereunder at any one or more times be deemed a waiver or relinquishment by Provider of such right, power or remedy at any other time or times.
- 1.20.4 Unless otherwise agreed to by Provider in writing, all documents or notices to be delivered by Customer to Provider pursuant to or in connection with this Agreement shall be in the English language or, if any such document or notice is not in the English language, accompanied by an English translation thereof, and the English language version of any such document or notice shall control for purposes thereof.
- 1.20.5 The Parties agree that the relationship between the Parties established by this Agreement is that of independent contractors. Furthermore, the Parties agree that this Agreement does not, is not intended to, and shall not be construed to, establish an employment, agency or any other relationship. Except as may be specifically and expressly provided herein, neither Party shall have any right, power or authority, nor shall they represent themselves as having any authority to assume, create or incur any expense, liability or obligation, express or implied, on behalf of the other Party, or otherwise act as an agent for the other Party for any purpose.
- 1.20.6 Nothing in this Agreement, express or implied, is intended to confer on any person other than the Parties hereto or their permitted assigns, any benefits, rights or remedies.
- 1.21 GOVERNING LAW, DISPUTE SOLUTION. This Agreement is made in, governed by, and shall be construed in accordance with the laws of the HongKong without reference to conflicts of laws principles. The Parties hereby submit to the exclusive jurisdiction of the courts located in HongKong for the purposes of resolving any dispute arising from this Agreement.



Appendix I

.Ratio of final file size and contract data amount

Service Type		Ratio ( max )
de novo		3
plant& animal resequencing		2
human resequencing	whole-genome	2
	Exome	4
	target region	4
human resequencing	transcriptome	2
	RNA-seq	
	Lnc RNA	5
	small-RNA	
epigenome	degradome	6
	Bisulfite—seq	3.5
	chip—seq	3.5
	MeDIP—seq	
Microbe	RRBS	3
	de novo	
Meta	resequencing	3
	Meta genomics	3
Only sequencing	Provide clean data only	0.8

**Remark:**

1. Ratio =final file size/ contract data amount

e.g. 30X human resequencing: If one project has 100 samples for human resequencing, then 9T data amount is guaranteed. But the size of the final file that provided to customer will be 18T.